# Ardrossan Marina
# BPEO

November 2021

# Ardrossan Marina
# BPEO

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# 1 INTRODUCTION

## 1.1 Scope of Report

North Ayrshire Council appointed EnviroCentre Ltd to undertake the pre-dredge sampling and reporting for the associated advance dredging for the proposed Ardrossan Marina. The samples were collected to inform proposed dredging and associated disposal or re-use options. This report supports the requirements for the dredging licence application.

The purpose of the BPEO report is to review each of the available potential disposal options for the dredged materials. The options which are not considered to be practicable are rejected and the reasons for doing so are explained. In this instance, all of the dredged material is proposed to be reused on land at the Ardrossan North Shore site which is located immediately to the east of the dredge area. This is a development area that North Ayrshire Council are currently progressing with view to development of a school campus and residential areas.

Options are normally screened against environmental, strategic and cost considerations, but due to the requirement for the reuse of the material, it is proposed that that the usual BPEO format is abbreviated to cover key potential environmental impacts and also the water framework directive assessment.

## 1.2 Background to Application

**Table 1.1: Proposed Marine Dredge Sites and Approximate Dredge Volumes**

| Dredge Area | Dredge Volume ($m^3$) | Target Dredge Level (m CD) |
|---|---|---|
| Initial Marina Dredge | 73,000 | -1.5 (at eastern and central area) up to -2.5 (western area) |

## 1.3 Nature of Marine Sediments

Samples from the proposed dredge area were collected during February 2021 and submitted for analysis in line with Marine Scotland's Guidance. The results from this exercise are provided in Appendix A within the Sediment Sampling Report.

The investigation incorporated 5 vibrocore locations within the proposed dredge area, with cores achieving a maximum recovery depth of 2m. Across the dredge pocket the maximum depth from existing bed level to dredge level is 1.5m. On this basis the investigation is considered to have appropriately characterised the material.

The following exceedances of the Sediment Action Levels were noted for all 15 samples assessed.

### 1.3.1 Metals

- Arsenic –1 of the 15 samples recorded arsenic levels above REV AL1.
- Cadmium – None of the 15 samples recorded cadmium levels above REV AL1.
- Chromium – 8 of 15 samples recorded chromium levels above REV AL1.
- Copper – None of the 15 samples recorded copper levels above REV AL1.
- Lead –None of the 15 samples recorded lead levels above REV AL1.
- Mercury – 1 of 15 samples recorded mercury levels above REV Al1.
- Nickel – All of the 15 samples recorded nickel levels above REV Al1. T
- Zinc – None of the 15 samples recorded zinc levels above REV Al1.

### 1.3.2 Tributyl Tin (TBT)

None of the samples recorded concentrations of TBT above AL1.

### 1.3.3 Polyaromatic Hydrocarbons (PAHs)

8 of 15 samples recorded at least one PAH species above RAL 1.

### 1.3.4 Polychlorinated Biphenyls

None of the samples recorded individual PCB congeners in exceedance of RAL 1.

### 1.3.5 Total Hydrocarbons (THC)

7 of 15 samples collected recorded hydrocarbons above Rev AL1.

### 1.3.6 Average Concentrations

Average concentrations for the following contaminants of concern exceeded the Rev Al1:

- Nickel

No samples recorded exceedances of Rev AL2.

# 2 DISCUSSION OF AVAILABLE DISPOSAL OPTIONS

The BPEO process is geared towards identifying a preferred overall strategy from the perspective of the environment as a whole, as opposed to detailed optimisation of any one selected scheme. It is a structured and systematic process to identify and compare strategic options in a transparent manner. Alternatives are evaluated in terms of their projected implications for the environment together with consideration of practicability, social and economic issues as well as within a wider strategic context.

Normally the key stages of a BPEO are:

- Identification of options;
- Screening of options;
- Selection of assessment criteria;
- Analysis and evaluation of criteria; and
- Evaluation of BPEO.

A number of options are generally available for disposal of dredged sediments. During the evolution of the project it has become evident that the North Ayrshire council proposed new school site close to the construction and dredging works has a requirement for material to upfill the site (of circa 100,000m$^3$). This therefore presents an opportunity for beneficial re-use and is considered to be the BPEO.

The normal process of BPEO described above is not considered to apply when such a clear beneficial re-use is available.

Although beneficial re-use is clearly the most desirable option we have provided in Table 2.1 some narrative to show the advantages over the other options which normally would be screened to establish the BPEO.

**Table 2.1: Commentary on Other Options**

| Options | Relative Demerits to BPEO |
|---|---|
| Landfill | From this site haulage would be significant to nearest licenced facility compared to the Ardrossan School Site;<br><br>Uses up valuable landfill capacity; and<br><br>High cost option. |
| Beach Nourishment or Habitat Creation in Marine Environment | These types of options can have their own significant environmental effects, so they require long term planning with the Regulators and cannot be implemented in the short term. |

| | |
|---|---|
| | We are not aware of any such consented opportunities in the West of Scotland. |
| Sea Disposal | Would involve significant vessel movements to the disposal ground with associated carbon emissions.<br><br>Lost opportunity to use suitable material for capping/aggregate. |

It is therefore proposed that all of the dredged material will be brought ashore for reuse across at the former Shell terminal site.

# 3 FURTHER ASSESSMENT

Typically, when it is intended that dredged sediments are to be disposed of at licensed spoil grounds, further assessment of exceedances of revised Action Level 1 or AL 2 are required. However, since it is intended that all of this material is to be beneficially reused no further assessment of potential risks associated with the dredged material is required for the marine environment. Appropriate review and assessment of contaminant levels will however be carried out for the re-use of material on land and screened against relevant human health generic assessment criteria specific for its intended use and also Environmental Quality Standards to ensure that potential risks to the water environment can be appropriately assessed. Re-use of material will be undertaken in line with relevant waste legislation.

A Water Framework Directive Risk Assessment has been undertaken with regards to the dredging of material and is detailed in section 3.1.

## 3.1 Water Framework Directive Assessment

As outlined in the Water Framework Directive Assessment: estuarine and coastal waters, there are several key receptors which can be impacted upon including the following:

- Hydromorphology
- Biology – habitats
- Biology – fish
- Water quality
- Protected areas

Each of these points are considered in Table 3.1 below:

**Table 3.1: Receptor Risk Assessment**

| Key Receptor | Brief Summary of Potential Effects on Receptor | Further Consideration Required? | Comment |
|---|---|---|---|
| Hydromorphology (Source Area and Disposal Site) | Morphological conditions, for example depth variation, the seabed and intertidal zone structure tidal patterns, for example dominant currents, freshwater flow and wave exposure | No | The proposed dredge works are within an already modified part of the coastline. No indirect effects are predicted as a result of dredging. |

| | | | |
|---|---|---|---|
| Biology - habitats | Included to assess potential impacts to sensitive/high value habitats. | No | The proposed dredge site is not located within 2km of an SAC or SPA, marine protected area or RAMSAR sites. |
| Biology – fish | Consideration of fish both within the estuary and also potential effects on migratory fish in transit through the estuary. | No | Contaminant levels are considered to be low and all material will be brought to land. Key risk, as per any dredge project, will be from increases in suspended solids and underwater noise during the dredging works.<br><br>Width of the channel adjacent to the development is 0.18Km at the narrowest point and all dredged material is being brought to land. It is therefore considered that sufficient water, out with the area of localised impact, will be available to migratory species to enable them to pass freely.<br><br>The material is to be brought to land, so will not have an impact at the sea disposal site. |
| Water Quality | Consideration must be given to water quality when contaminants are present in exceedance of CEFAS RAL1. | Yes | Contaminants noted to exceed CEFAS RAL1, no exceedances of RAL2. |
| Protected Areas | If your activity is within 2km of any WFD protected area, include each identified area in your impact assessment.<br>• special areas of conservation (SAC)<br>• special protection areas (SPA) | Yes | The proposed dredge site is not located within 2km of an SAC or SPA, marine protected area or RAMSAR sites.<br><br>The dredge site is located approximately 1.5 Km from the closest designated bathing water at Saltcoats/Ardrossan (NS23454199). The bathing waters are classified as “sufficient”. |

| | | | |
|---|---|---|---|
| | • shellfish waters<br>• bathing waters<br>• nutrient sensitive areas | | The dredge sites are not designated as shellfish water, with no designated sites recorded within 2Km of the proposed dredge site.<br><br>On this basis there are not considered to be any significant risks to these protected areas. |

Source: Taken from https://www.gov.uk/guidance/water-framework-directive-assessment-estuarine-and-coastal-waters

### 3.2 Potential Risk to Water Quality and Marine Life

The potential risks to water quality including bathing waters in proximity to the dredge sites are further considered as all other receptors have been screened out of the assessment.

The coastal classification of this area of water by SEPA in and around the dredge site Seamill and Ardrossan is"good" in 2018 as detailed on Scotland's Environment (http://www.environment.scotland.gov.uk/). The adjoining classification for Irvine bay is reported as "moderate" in 2018.

Although there are contaminants of concern above the RAL1, is considered that these levels will not contribute to an overall degradation of water quality as the potential for dilution and attenuation in the Firth of Clyde is very considerable.

The key contaminants for impacting water quality are considered to be metals as these have the potential to dissolve/desorb from sorption sites, whereas the organic contaminants (e.g. PCBs and PAHs) have a greater affinity for the organic materials which they are bound to, and are more likely to remain strongly bound to the sediment, or if become dissolved, quickly adsorbed onto organic matter within the water column or sediments.

The key risk is considered to be an increase in turbidity/suspended solids during the dredging activity, although this is likely to cause localised degradation in water quality, it is considered that this will be a short term event and mitigation measures could be put in place if deemed necessary.

On this basis, the associated risk with degradation of water quality directly associated with the proposed disposal is considered to be Low i.e. unlikely to cause a significant adverse effect on the overall water quality.

# 4 CONCLUSIONS AND RECOMMENDATIONS

Review of available information has highlighted that although several chemical contaminants exceed RAL1, assessment of key receptors identified from the Water Framework Directive assessment for estuarine and coastal waters concluded that there is a low risk to the key receptor of Water Quality. The chemical levels in the sediment are considered to be generally low and the intention is to re-use the sediment as part of the wider project rather than the more traditional sea based disposal route.

The Best Practicable Environmental Option for disposal of the dredge material has been identified as re-use as part of the development at the former Shell Terminal. It should be noted that additional sampling is planned to support this option. Should any material be tested and not meet SEPAs re-use criteria it will either be treated or disposed of in an appropriately licenced facility.

# 5 REFERENCES

Marine Scotland (2017). *Pre-DredgeSampling Guidance Version 2*: Scottish Government.

Marine Scotland (2015). *Guidance for Marine Licence Applicants Version 2*: Scottish Government.

Marine Scotland National Marine Plan Interactive Viewer - https://marinescotland.atkinsgeospatial.com/nmpi/

# APPENDICES

# A SEDIMENT REPORT

# Ardrossan Marina Pre-Dredge Sampling 2021
# Sediment Quality Report

**November 2021**

# Ardrossan Marina Pre-Dredge Sampling 2021 Sediment Quality Report

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# 1 INTRODUCTION

## 1.1 Background

Fairhurst on behalf of North Ayrshire Council contracted EnviroCentre Ltd. to undertake the collection of vibrocore samples at the proposed Ardrossan Marina site in February 2021.

Following this initial sampling exercise the design of the proposed marina has altered with the new design detailed in the IKM drawing no 17919-SK004 provided in Appendix A.

The original sampling report has therefore been updated to focus solely on the sample locations that are within the footprint of the new marina (namely VC04, VC05, VC8, VC9 and VC10).

The samples were collected to inform proposed dredging and associated reuse/disposal options.

The purpose of these samples is to review the potential for the dredge arisings to be re-used on the adjacent Ardrossan North Shore development site. In addition the information is provided as supporting information to Marine Scotland during the licensing process on sediment quality within the proposed dredge areas. The dredging and disposal activities are regulated by Marine Scotland under the Marine (Scotland) Act 2010. The licensing conditions require representative samples to be collected and the nature (i.e. physical composition), quality and contamination status to be determined.

## 1.2 Re-Use Potential

The proposed development of the Ardrossan North Shore site incorporates redevelopment of the site for a mixed use including a school campus and residential housing.

For the purposes of the re-use review the material has been assessed against a range of applicable assessment criteria as detailed below:

***Waste Classification***

The dredge arisings will be identified as a waste material and be regulated by SEPA for re-use above the Mean High Water Spring level. The sediment results will be assessed to determine the waste classification (Non Hazardous or Hazardous) of the material. Where Hazardous material is identified this will be not be considered suitable for re-use.

***Human Health***

The site is proposed for a mixed use with the most sensitive end use deemed to be residential with plant uptake. The sediment sample results have been compared against generic human health criteria for residential with plant uptake use (based on 1% organic matter content). The generic criteria adopted incorporate:

- Land Quality Management/Chartered Institute of Environmental Health Suitable 4 Use Levels (S4ULS);
- DEFRA Category 4 Screening Levels (C4SL) for lead only).

***Water Environment***

The sediment is currently located in the marine environment, as such placement of land is considered to represent a lower risk to the water environment than its current location.

Regardless of this, to review the risk to the water environment selected samples were scheduled for leachate testing.

Given the sites proximity to the Firth of Clyde it is considered that the groundwater present will not be a viable resource due to salinity issues. The key receptor is therefore identified as marine surface water.

The risk to the water environment has been assessed on the basis of the following initial screening assessment.

- Leachate results for heavy metals compared against marine EQS values;
- Hydrocarbon concentrations considered against 1,000mg/kg (hazardous threshold level).
- Leachate results for PAHs assessed against laboratory detection limit.

## 1.3 Action Levels – AL1 Vs AL2

Two action levels are currently used to assess the suitability of sea based disposal of dredged sediment material AL1 and AL2.

Sediment with contaminant concentrations below AL1 is generally considered to be below background levels for contamination and is suitable for disposal at sea.

For samples between AL1 and AL2, additional risk assessment may be required including further sampling and testing to fully identify pockets of contamination or implementation of bioassays to assess the materials suitability for sea disposal. This would need to be agreed and approved by Marine Scotland.

Material above AL2 is generally considered to be unsuitable for disposal to sea. If the sea disposal route is to be pursued, further testing along the lines of bioassay accompanied by a robust justification for selecting sea disposal as the BPEO may be required. This would need to be supported further with additional information regarding any mitigation measures which could be put in place as part of these works. This would require further discussion and agreement with Marine Scotland.

## 1.4 Scope of Report

The following report details the sampling methodology, field and laboratory analysis and provides a summary of the sediment quality present within the proposed dredge areas.

# 2 SEDIMENT SAMPLING REQUIREMENTS

The following tables detail the sample locations, figures detailing the sample locations are provided in Appendix A.

**Table 2-1 - Sample Information**

| Sample Name | Sample Location | Type of Sample |
|---|---|---|
| VC04 0-0.15, 0.2-0.7 and 0.7-1.2 | Latitude - 55°38.656<br>Longitude - -004°49.358 | Core |
| VC05 0-0.15, 0.25-0.75 and 0.75 to 1.25 | Latitude - 55°38.606<br>Longitude - -004°49.321 | Core |
| VC08 0-0.15, 0.15-0.6 and 0.6-1.1 | Latitude - 55°38.630<br>Longitude - -004°49.298 | Core |
| VC09 0-0.15, 0.15-0.5 and 0.5-1.0 | Latitude - 55°38.591<br>Longitude - -004°49.261 | Core |
| VC10 0-0.15, 1-1.5 and 1.5-2.0 | Latitude - 55°38.569<br>Longitude - -004°49.284 | Core |

## 2.1 Field Information

The following field data is recorded for each sample obtained:

- A unique sample ID;
- Sample location;
- Sample co-ordinates in latitude and longitude in degrees, minutes and decimals of minutes;
- Date, time and depth of collection;
- Sampler's ID;
- Sediment description; and
- Details of any deviation from sampling protocol.

## 2.2 Sampling Requirements

The laboratory analysis required, and undertaken as part of this investigation, included metals, organic and particle size analysis. Samples for metals and particle size analysis were sub-sampled using a plastic spoon and stored in polyethylene bags. Samples for organic analysis were collected using stainless steel spoons and stored in glass jars. Samples were sent to Socotec for analysis.

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# 3 SAMPLING METHODOLOGY

All samples were collected on 1st and 2nd February 2021. The following sections detail the sampling methodology used to retrieve sediment samples from the site.

## 3.1 Survey Vessel

Sampling works were undertaken from the vessel *Challenger of Leith*. The vessel was operated by Coastworks, with EnviroCentre Ltd personnel undertaking the sampling works.

## 3.2 Navigation and Sample Location

Sample stations were navigated to using pre-determined coordinates. The sample stations were located using a combination of a Trimble Kenai Tablet and Trimble TDC100 GPS equipment, as well as the vessel's navigation system. Once in position, the spud legs were deployed to keep the vessel in position. Sampling equipment was then deployed and recovered. The position was then recorded on the GPS device. The spud legs would then be lifted and the vessel moved to the next sample location.

Core samples were recovered using a vibrocorer with 75mm sample tube. The vibrocorer was deployed and recovered using the deck mounted crane.

Once the tube was recovered, the core was detached from the head unit, and the recovery depth and sediment type at the base were noted. Where necessary, additional attempts were made at the same location to obtain a better recovery and/or meet the required sampling depth. Cores were sub-sampled on the vessel immediately after collection.

All core samples were supplemented by a grab sample, to ensure there was sufficient surface sediment for analysis. Grab samples were obtained using a 0.045m$^2$ stainless steel Van Veen grab sampler. Recovered material was emptied into a plastic bucket ready for sub-sampling. Where required, the grab was deployed multiple times to ensure enough sample was recovered for testing.

## 3.3 Field Information

The following field data was recorded for each sample obtained:

- A unique sample ID;
- Sample location;
- Sample coordinate in latitude and longitude in degrees, minutes and decimals of minutes;
- Date, time and depth of collection;
- Sampler's ID;
- Sediment description;
- Sample photographs(); and,
- Detailed of any deviation from sampling protocol.

## 3.4 Sample Preparation

Cores were cut into subsections and extruded into a plastic core holder, spilt in half lengthways, photographed and logged prior to sub sampling. Grab samples were also photographed and logged prior to sub-sampling.

Where part of a core was not required to be sub-sampled, these sections were labelled, capped and retained by EnviroCentre.

Samples for metals and particle sized analysis were sub-sampled using a plastic spoon and stored in plastic tubs. Samples for organic analysis were collected using stainless steel spoons and stored in amber glass jars.

Sampling equipment (spoons etc) were cleaned with sea water between samples to minimise the risk of cross contamination.

Once samples had been placed within appropriate containers, they were labelled and placed immediately into cool boxes. Samples were dispatched to the project laboratory (Socotec).

## 3.5 Sampling Constraints

There were no significant sampling constraints encountered during the sampling. Generally the vibrocore was restricted to achieving depths of sediment ranging from 1m to 1.5m.

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# 4 ANALYTICAL RESULTS

A summary table comparing the data to the reuse assessment criteria has been included in Appendix C.

A summary table comparing the data to the sea disposal action levels is provided in Appendix D.

## 4.1 Physical Analysis

### 4.1.1 Particle Size Distribution (PSD)

Particle Size Distribution data set for each sample is included within Appendix C. Sediments sampled within the proposed dredge area is reported as being predominately sandy silt.

Field descriptions of the sediments and accompanying comment on sedimentology are included within Appendix B within the sample logs.

## 4.2 Waste Classification Assessment

The sediment results have been assessed using the Hazwasteonline waste characterisation tool.

A copy of the assessment report is provided in Appendix E.

The assessment has confirmed that all samples would be classified as non-hazardous waste.

## 4.3 Human Health Assessment

A summary table detailing the sample results in comparison to the generic human health assessment criteria is provided in Appendix C

For all the contaminants of concern the concentrations within the samples do not exceed the generic human health criteria for a residential with gardens land use.

## 4.4 Water Environment Assessment

Summary tables detailing the findings of the leachate assessment are provided in Appendix C

The assessment did not identify any concentrations of dissolved metals in leachate that exceeded the EQS values for marine surface water.

Concentrations of PAHs within leachates were all lower than the laboratory detection limits.

The concentrations of total TPH within the sediment samples did not exceed the 1,000mg/kg threshold.

## 4.5 Action Level Assessment

All chemical analytical results were assessed against Revised Action levels criteria as adopted by Marine Scotland. The results are summarised in the following sections with respect to the Marine Scotland Revised Action Levels (RAL). These exceedances are highlighted in the accompanying MS reporting table as an excel file and should be read in conjunction with this report (note this file incorporates all the samples collected as the original exercise, also note the MS reporting template sheet was noted to be corrupt at the time of reporting and is therefore not correctly highlighting exceedances).

### 4.5.1 Metals

- Arsenic –1 of the 15 samples recorded arsenic levels above REV AL1.
- Cadmium – None of the 15 samples recorded cadmium levels above REV AL1.
- Chromium – 8 of 15 samples recorded chromium levels above REV AL1.
- Copper – None of the 15 samples recorded copper levels above REV AL1.
- Lead –None of the 15 samples recorded lead levels above REV AL1.
- Mercury – 1 of 15 samples recorded mercury levels above REV Al1.
- Nickel – All of the 15 samples recorded nickel levels above REV Al1. T
- Zinc – None of the 15 samples recorded zinc levels above REV Al1.

### 4.5.2 Tributyl Tin (TBT)

None of the samples recorded concentrations of TBT above AL1.

### 4.5.3 Polyaromatic Hydrocarbons (PAHs)

8 of 15 samples recorded at least one PAH species above RAL 1.

### 4.5.4 Polychlorinated Biphenyls

None of the samples recorded individual PCB congeners in exceedance of RAL 1.

### 4.5.5 Total Hydrocarbons (THC)

7 of 15 samples collected recorded hydrocarbons above Rev AL1.

### 4.5.6 Average Concentrations

Average concentrations for the following contaminants of concern exceeded the Rev Al1:

- Nickel

No samples recorded exceedances of Rev AL2.

# 5 REUSE DISCUSSION AND SUMMARY

The sediment assessment has identified that the sediment is not a hazardous waste and has no noted exceedances in relation to water environment receptors.

All of the chemical parameters meet the human health criteria for a residential reuse.

On the basis of the above assessment it is considered that the dredge material would be suitable for re-use as part of the development. From a chemical quality perspective material could be utilised as part of the environmental cap or at depth as part of any required deeper infilling (i.e. infilling areas excavated for remediation requirements).

# 6 OFFSHORE DISPOSAL SUMMARY

The sediment sampling can be summarized as follows:

- 15 vibrocored samples were recovered,
- The sediments comprise primarily fine sand.
- All 15 samples exceeded the REV Al1 levels for certain contaminants including metals and PAHs.
- No samples recorded exceedances of AL2.

# 7 REFERENCES

Marine Scotland (2017). *Pre-DredgeSampling Guidance Version 1*: Scottish Government.

Chartered Institute of Environmental Health/Land Quality Management Suitable 4 Use Levels

DEFRA Category 4 Screening Levels

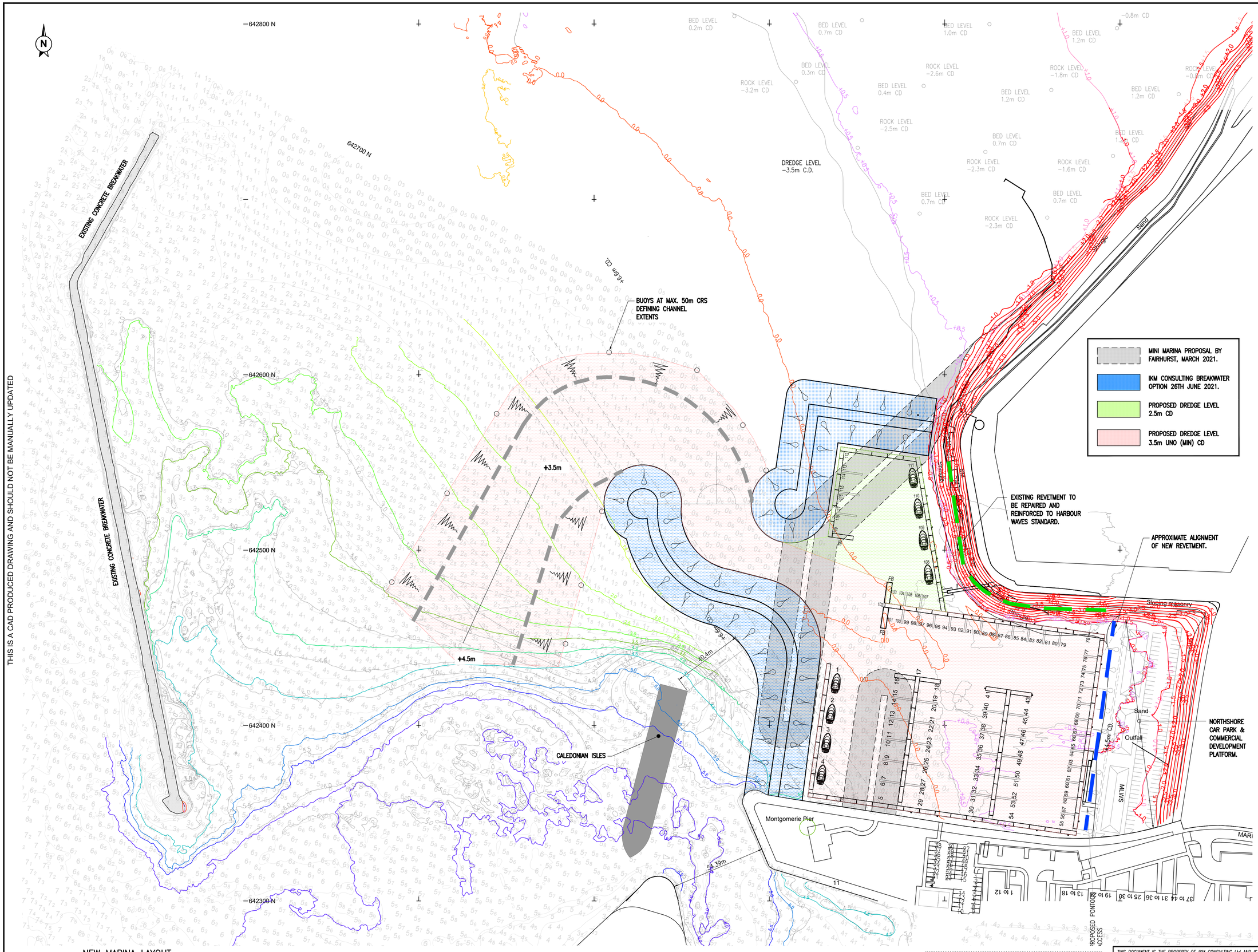
Hazwasteonline

SEPA WAT SG 53

# APPENDICES

# A FIGURES

THIS IS A CAD PRODUCED DRAWING AND SHOULD NOT BE MANUALLY UPDATED




EXTERNAL REFERENCES: BELOW IS A LIST OF EXTERNALLY REFERENCED DRAWINGS REQUIRED TO VIEW AND PLOT THIS DRAWING.

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PROJECT
ARDROSSAN MARINA

DRAWING
IKM MARINA LAYOUT
& BREAKWATER ALIGNMENT
NEW OPTION 28.06.21

DRAWING. No. 17919-SK004

REV 0

A1

## NEW MARINA LAYOUT

SCALE 1:1000 @ A1;
1:500 (APPROX.) @ A3

1:20- 0 200mm 400mm 600mm 800mm 1000 1200 1400 1600 1800 2000
1:100- 0 1m 2m 3m 4m 5m 6m 7m 8m 9m 10m
1:50- 0 1m 2m 3m 4m 5m
1:5- 0 100mm 200mm 300mm 400mm 500mm


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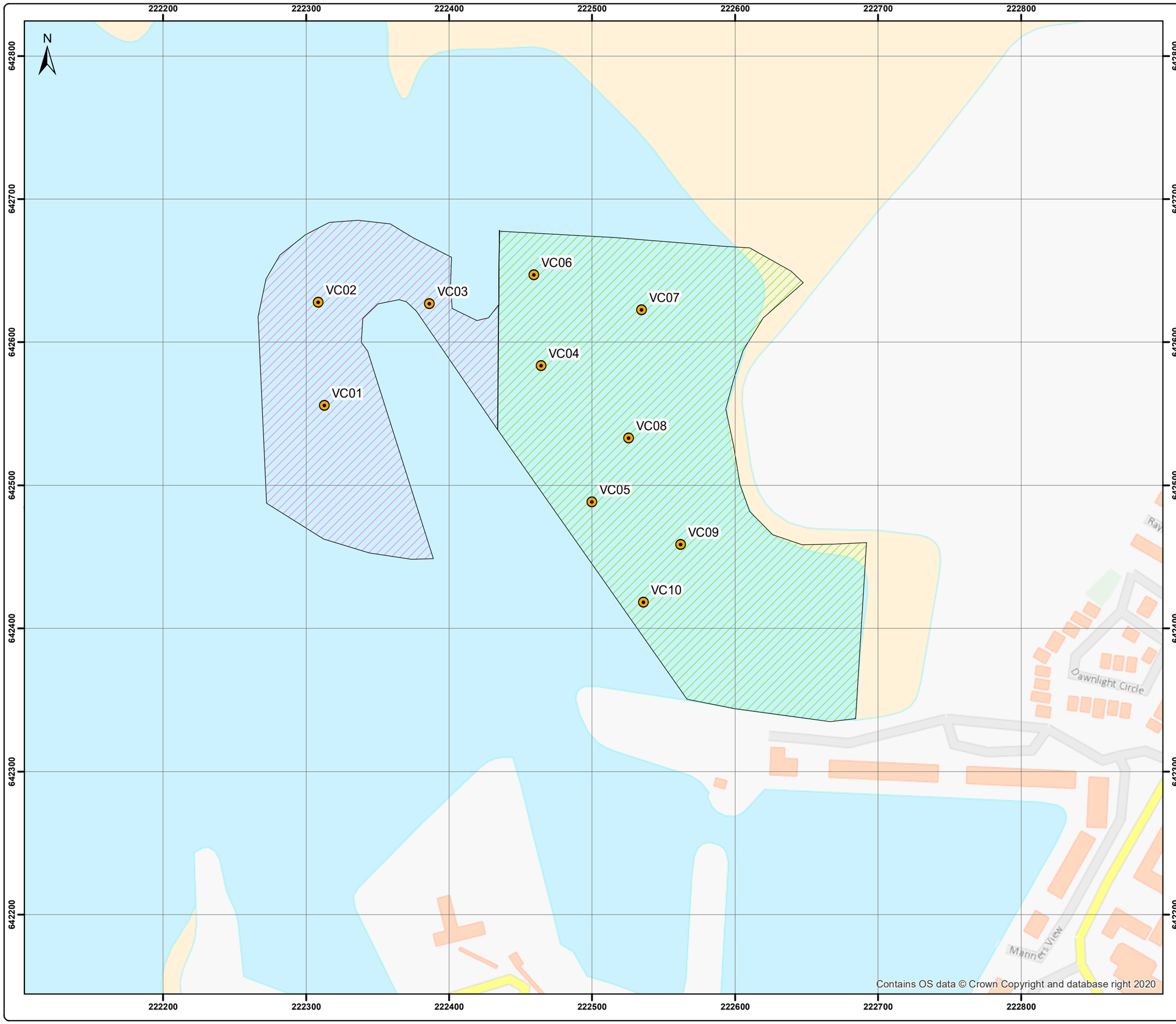


**Legend**

- Vibrocore
- Approx. Dredge Area - Marina
- Approx .Dredge Area - Entrance

Do not scale this map

**Client**
Fairhurst

**Project**
Ardrossan North Shore

**Title**
Vibrocore Locations - February 2021

**Status**
Final

| Drawing No. | Revision | Date |
|---|---|---|
| 173958-GIS007 | - | 01 Mar 2021 |
| **Drawn** | **Checked** | **Approved** |
| FR | NC | GD |

**Scale**
1:2,500 @A3
0 12.5 25 50 75 Metres

| Rev | Date | Amendment | Initials |
|---|---|---|---|
| - | - | - | - |

envirocentre
Craighall Business Park, Eagle Street, Glasgow, G4 9XA
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# B SAMPLE LOGS AND PHOTOGRAPHS

| envirocentre<br>8 Eagle Street,<br>Craighall Business Park,<br>Glasgow, G4 9XA | **Project Name** | Ardrossan Marina | **Location ID** |
|---|---|---|---|
| | **Project No.** | 173958 | **VC04** |
| | **Client** | Fairhurst | |

## SEDIMENT CORE LOG

| | | | |
|---|---|---|---|
| **Date/Time:** | 01/02/2021 14:42 | **Latitude/Longitude:** | 55°38.65602‘, -004°49.35808' |
| **Dredge Area:** | Marina | **Sampled/logged by:** | AK/FR/NC |
| **Method:** | 0.045m$^2$ Van-Veen Grab & Vibrocore | **Core Length (m):** | 1.2 |

**Remarks:**

**0.0 – 0.55m:**
Dark brown silty sand with rare shell fragments.

**0.55 – 1.2m:**
Dark grey silty sand with rare shell fragments.

**Biota:** Worm noted at 0.2m.

**Odours:** None noted.

**Anthropogenic Inputs:** None noted.

**Notes:** Completed in 1 attempt.

| envirocentre<br>8 Eagle Street,<br>Craighall Business Park,<br>Glasgow, G4 9XA | **Project Name** | Ardrossan Marina | **Location ID** |
|---|---|---|---|
| | **Project No.** | 173958 | **VC05** |
| | **Client** | Fairhurst | |

## SEDIMENT CORE LOG

| | | | |
|---|---|---|---|
| **Date/Time:** | 01/02/2021 16:15 | **Latitude/Longitude:** | 55°38.60568‘, -004°49.32107' |
| **Dredge Area:** | Marina | **Sampled/logged by:** | AK/FR/NC |
| **Method:** | 0.045m$^2$ Van-Veen Grab & Vibrocore | **Core Length (m):** | 1.25 |

**Remarks:**

**0.0 – 0.15m (grab):**
Brown silty fine sand.

**0.25 – 0.35m:**
Brown silty fine sand with rare shell fragments.

**0.35 – 0.75m:**
Dark grey silty fine sand.

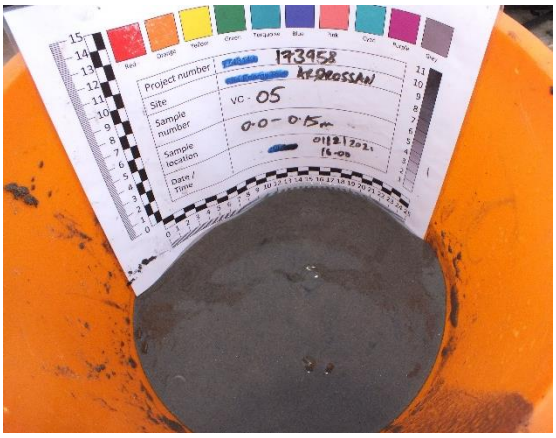
**0.75 – 1.25m:**
Brown and dark grey silty fine sand with rare buried seaweed.

**Biota:** Two worms noted in grab sample (0.0 – 0.15m)

**Odours:** None noted.

**Anthropogenic Inputs:** None noted.

**Notes:** 2 attempts made. Attempt #2 sub-sampled.



| envirocentre<br>8 Eagle Street,<br>Craighall Business Park,<br>Glasgow, G4 9XA | **Project Name** | Ardrossan Marina | **Location ID** |
|---|---|---|---|
| | **Project No.** | 173958 | **VC08** |
| | **Client** | Fairhurst | |

## SEDIMENT CORE LOG

| | | | |
|---|---|---|---|
| **Date/Time:** | 02/02/2021 13:30 | **Latitude/Longitude:** | 55°38.62992‘, -004°49.29802' |
| **Dredge Area:** | Marina | **Sampled/logged by:** | AK/FR/NC |
| **Method:** | 0.045m² Van-Veen Grab & Vibrocore | **Core Length (m):** | 1.1 |

**Remarks:**

**0.0 – 0.6m:**
Brown silty fine sand.

**0.6 – 1.1m:**
Dark greyish-brown silty fine sand.

**Biota:** None noted.

**Odours:** None noted.

**Anthropogenic Inputs:** Small piece of metal noted at 0.3m.

**Notes:** 3 attempts made. Attempt #3 sub-sampled.

| envirocentre<br>8 Eagle Street,<br>Craighall Business Park,<br>Glasgow, G4 9XA | **Project Name** | Ardrossan Marina | **Location ID** |
|---|---|---|---|
| | **Project No.** | 173958 | **VC09** |
| | **Client** | Fairhurst | |

## SEDIMENT CORE LOG

| | | | |
|---|---|---|---|
| **Date/Time:** | 02/02/2021 12:30 | **Latitude/Longitude:** | 55°38.59086‘, -004°49.26088' |
| **Dredge Area:** | Marina | **Sampled/logged by:** | AK/FR/NC |
| **Method:** | 0.045m² Van-Veen Grab & Vibrocore | **Core Length (m):** | 1.0 |

**Remarks:**

**0.0 – 0.15m (grab):**
Brown silty fine sand with rare shell fragments.

**0.15 – 0.4m:**
Dark brown silty fine sand.

**0.4 – 0.7m:**
Dark grey silty fine sand.

**0.7 – 0.75m:**
Dark grey gravelly sand with frequent shell fragments.

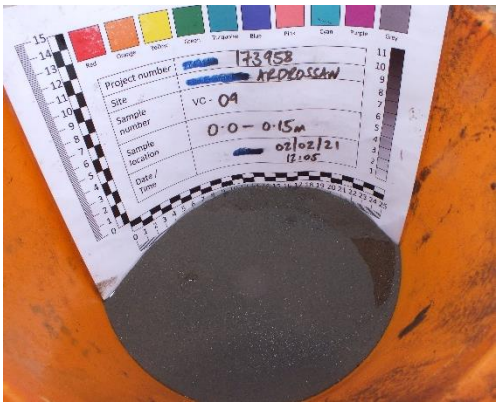
**0.75 – 1.0m:**
Dark grey silty sand.

**Biota:** None noted.

**Odours:** None noted.

**Anthropogenic Inputs:** None noted.

**Notes:** 3 attempts made. Attempt #3 sub-sampled.



| envirocentre<br>8 Eagle Street,<br>Craighall Business Park,<br>Glasgow, G4 9XA | **Project Name** | Ardrossan Marina | **Location ID** |
|---|---|---|---|
| | **Project No.** | 173958 | **VC10** |
| | **Client** | Fairhurst | |

## SEDIMENT CORE LOG

| | | | |
|---|---|---|---|
| **Date/Time:** | 02/02/2021 10:15 | **Latitude/Longitude:** | 55°38.56878‘, -004°49.28408' |
| **Dredge Area:** | Marina | **Sampled/logged by:** | AK/FR/NC |
| **Method:** | 0.045m$^2$ Van-Veen Grab & Vibrocore | **Core Length (m):** | 2.0 |

**Remarks:**

**0.0 – 0.15m (grab):**
Brown silty fine sand.

**1.0 – 2.0m:**
Dark greyish-brown slightly sandy silt. Sand is fine.

**Biota:** A few worms noted in grab.

**Odours:** $H_2S$ odour noted between 1.8 and 2.0m.

**Anthropogenic Inputs:** None noted.

**Notes:** Completed in 1 attempt.
0.0 – 0.5m and 0.5 – 1.0m core sections retained.

# C ANALYTICAL RESULTS AND REUSE SUMMARY

**Ardrossan Marina**

**Table A-1: Human Health Risk Assessment (Sediment)**

| Determinand | Units | MRL | Min | Max | Average | Assessment Criteria | Source | VC01 | VC01 | VC01 | VC02 | VC02 | VC02 | VC03 | VC03 | VC03 | VC04 | VC04 | VC04 | VC05 | VC05 | VC05 | VC06 | VC06 | VC06 | VC07 | VC07 | VC07 | VC08 | VC08 | VC08 | VC09 | VC09 | VC09 | VC10 | VC10 | VC10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Depth (m): | 0.00-0.15 | 0.40-0.90 | 0.90-1.40 | 0.00-0.15 | 0.15-0.40 | 0.40-0.90 | 0.00-0.15 | 0.15-0.50 | 0.50-1.00 | 0.00-0.15 | 0.70-1.20 | 0.70-1.20 | 0.00-0.15 | 0.25-0.75 | 0.75-1.25 | 0.00-0.15 | 0.15-0.50 | 0.50-1.00 | 0.00-0.15 | 0.15-0.50 | 0.50-1.00 | 0.00-0.15 | 0.15-0.60 | 0.60-1.10 | 0.00-0.15 | 0.15 -0.50 | 0.50-1.00 | 0.00-0.15 | 1.00-1.50 | 1.50-2.00 |
| | | | | | | | Date Sampled: | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 01/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 | 02/02/2021 |
| **Physical** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Moisture @ 120°C | % | 0.2 | 19.4 | 28.4 | 23.1 | | | 28.4 | 22.0 | 19.4 | 26.2 | 23.2 | 22.9 | 23.1 | 23.2 | 23.8 | 23.0 | 22.9 | 23.9 | 19.6 | 20.4 | 22.2 | 24.0 | 21.8 | 22.2 | 20.9 | 23.7 | 22.4 | 19.6 | 23.1 | 23.6 | 20.6 | 24.3 | 23.8 | 32.7 | 23.1 | 23.8 |
| Total Solids | % | 0.2 | 67.3 | 80.6 | 76.9 | | | 71.6 | 78.0 | 80.6 | 73.8 | 76.8 | 77.1 | 76.9 | 76.8 | 76.2 | 77.0 | 77.1 | 76.1 | 80.4 | 79.6 | 77.8 | 76.0 | 78.2 | 77.8 | 79.1 | 76.3 | 77.6 | 80.4 | 76.9 | 76.4 | 79.4 | 75.7 | 76.2 | 67.3 | 76.9 | 76.2 |
| Gravel (>2mm) | % | - | - | 0 | 0.1 | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.25 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.9 | 0.5 | 0.0 | 0.0 | 0.0 |
| Sand (63-2000 µm) | % | - | 89.4 | 97.5 | 96.2 | | | 97.0 | 93.9 | 95.2 | 97.1 | 96.2 | 95.8 | 97.1 | 96.8 | 95.6 | 97.3 | 95.7 | 95.8 | 97.5 | 97.1 | 97.2 | 100 | 96.9 | 100 | 100 | 96.4 | 96.8 | 97.3 | 96.6 | 94.0 | 97.4 | 94.8 | 93.9 | 96.8 | 90.7 | 89.4 |
| Silt (<63 µm) | % | - | - | 6.1 | 3.7 | | | 3.0 | 6.1 | 4.8 | 2.9 | 3.8 | 4.2 | 2.9 | 3.2 | 4.4 | 2.7 | 4.3 | 4.2 | 2.5 | 2.9 | 2.8 | 0.0 | 3.1 | 0.0 | 0.0 | 3.0 | 3.2 | 2.7 | 2.8 | 6.0 | 2.6 | 4.3 | 5.6 | 3.2 | 9.3 | 10.6 |
| Asbestos | | - | - | - | - | | | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS | NAIIS |
| TOC | % | 0.02 | 0.12 | 0.91 | 0.3 | | | 0.14 | 0.26 | 0.20 | 0.12 | 0.27 | 0.27 | 0.12 | 0.19 | 0.31 | 0.15 | 0.91 | 0.42 | 0.15 | 0.13 | 0.14 | 0.13 | 0.17 | 0.38 | 0.12 | 0.28 | 0.27 | 0.12 | 0.14 | 0.34 | 0.18 | 0.32 | 1.19 | 0.21 | 0.40 | 0.58 |
| **Metals** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | mg/kg | 0.5 | 4.1 | 31.3 | 14.3 | 37 | S4UL resi+PU 6% | 6.5 | 7.7 | 27.9 | 7.1 | 5.3 | 20.6 | 31.3 | 19.7 | 24.5 | 16.2 | 8.4 | 8.1 | 6.0 | 31.2 | 5.0 | 32.0 | 6.0 | 15.0 | 9.5 | 9.2 | 12.6 | 7.7 | 4.1 | 13.1 | 15.1 | 23.2 | 16.9 | 11.8 | 11.8 | 15.4 |
| Cadmium | mg/kg | 0.04 | 0.06 | 0.26 | 0.1 | 11 | S4UL resi+PU 6% | 0.13 | 0.17 | 0.26 | 0.07 | 0.11 | 0.25 | 0.08 | 0.14 | 0.22 | 0.06 | 0.19 | 0.23 | 0.12 | 0.08 | 0.10 | 0.10 | 0.12 | 0.19 | 0.08 | 0.10 | 0.22 | 0.12 | 0.08 | 0.17 | 0.10 | 0.12 | 0.24 | 0.17 | 0.21 | 0.22 |
| Chromium | mg/kg | 0.5 | 31.4 | 57.8 | 47.0 | 910 | S4UL resi+PU 6% | 57.8 | 50.0 | 55.9 | 53.4 | 53.1 | 51.7 | 53.8 | 49.7 | 53.4 | 51.6 | 52.9 | 51.0 | 41.9 | 36.1 | 38.1 | 45.4 | 45.9 | 46.6 | 35.4 | 33.9 | 45.8 | 31.4 | 32.2 | 44.9 | 43.4 | 41.9 | 53.1 | 55.9 | 52.2 | 51.2 |
| Copper | mg/kg | 0.5 | 7.9 | 15.8 | 11.7 | 2400 | S4UL resi+PU 6% | 12.0 | 15.7 | 15.8 | 10.8 | 11.9 | 14.9 | 10.6 | 10.2 | 12.3 | 10.0 | 14.2 | 13.9 | 9.6 | 9.4 | 9.7 | 9.9 | 9.8 | 12.3 | 9.2 | 9.7 | 13.4 | 7.9 | 9.1 | 13.4 | 10.4 | 13.4 | 15.5 | 10.8 | 10.9 | 13.0 |
| Mercury | mg/kg | 0.01 | 0.03 | 0.28 | 0.1 | 40 | S4UL resi+PU 6% | 0.08 | 0.28 | 0.22 | 0.07 | 0.08 | 0.15 | 0.08 | 0.08 | 0.17 | 0.07 | 0.18 | 0.18 | 0.05 | 0.04 | 0.04 | 0.03 | 0.07 | 0.11 | 0.04 | 0.07 | 0.13 | 0.04 | 0.04 | 0.20 | 0.07 | 0.13 | 0.39 | 0.07 | 0.08 | 0.11 |
| Nickel | mg/kg | 0.5 | 33.8 | 59 | 48.7 | 180 | S4UL resi+PU 6% | 59.0 | 50.3 | 56.0 | 55.5 | 53.8 | 53.0 | 55.3 | 52.6 | 55.1 | 55.0 | 54.4 | 52.0 | 44.6 | 38.3 | 41.3 | 47.8 | 47.8 | 46.6 | 38.2 | 36.3 | 47.9 | 33.8 | 34.2 | 46.0 | 45.1 | 44.2 | 54.7 | 58.6 | 53.5 | 50.9 |
| Lead | mg/kg | 0.5 | 12.4 | 47.9 | 24.2 | 190 | CASL | 20.6 | 47.9 | 41.9 | 19.3 | 20.6 | 36.9 | 19.2 | 19.0 | 29.0 | 17.1 | 33.1 | 37.3 | 14.8 | 14.3 | 13.9 | 13.8 | 16.4 | 28.6 | 13.3 | 17.1 | 32.6 | 12.4 | 13.8 | 36.5 | 16.3 | 30.9 | 45.4 | 19.0 | 20.1 | 24.8 |
| Zinc | mg/kg | 2 | 51.5 | 125 | 80.1 | 3700 | S4UL resi+PU 6% | 84.5 | 114 | 125 | 77.0 | 77.6 | 101 | 77.7 | 69.4 | 99.9 | 75.5 | 96.6 | 97.4 | 63.5 | 57.9 | 72.3 | 66.3 | 68.7 | 85.9 | 57.8 | 62.7 | 84.3 | 51.5 | 60.2 | 90.5 | 64.7 | 79.9 | 104 | 80.9 | 76.9 | 80.5 |
| **Organotins** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dibutyltin (DBT) | µg/kg | 1 | <5 | <5 | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| Tributyltin (TBT) | µg/kg | 1 | <5 | <5 | | | | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 | <5 |
| **PAHs & THC** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acenaphthene | µg/kg | 1 | 1.1 | 51.5 | 12.4 | 210000 | S4UL resi+PU 1% | <1 | 2.19 | 4.12 | <1 | 3.98 | 51.5 | <1 | <1 | 26.2 | 1.10 | 22.2 | 24.6 | <1 | 2.75 | 1.84 | <1 | 1.25 | 1.86 | <1 | 14.4 | 4.75 | 1.42 | 3.45 | 9.80 | <1 | 32.0 | 39.5 | <1 | 7.08 | 4.58 |
| Acenaphthylene | µg/kg | 1 | 1.02 | 24.1 | 8.1 | 170000 | S4UL resi+PU 1% | <1 | 4.49 | 1.78 | <1 | 1.40 | 3.39 | <1 | 1.15 | 16.9 | <1 | 24.1 | 3.58 | <1 | <1 | 2.76 | <1 | <1 | 1.02 | <1 | 12.8 | 3.01 | 1.99 | 1.08 | 9.04 | <1 | 7.70 | 56.7 | 1.41 | 4.00 | 3.91 |
| Anthracene | µg/kg | 1 | 1.04 | 93.3 | 29.5 | 2400000 | S4UL resi+PU 1% | 2.86 | 12.9 | 12.1 | 1.44 | 7.94 | 82.8 | 1.93 | 3.36 | 78.9 | 4.61 | 93.3 | 43.2 | 1.82 | 6.30 | 10.3 | 2.03 | 5.61 | 7.05 | 1.04 | 66.2 | 21.4 | 6.55 | 9.39 | 47.5 | 3.28 | 133 | 161 | 5.60 | 32.2 | 18.3 |
| Benzo[a]anthracene | µg/kg | 1 | 2.88 | 257 | 83.9 | 7200 | S4UL resi+PU 1% | 10.1 | 35.2 | 30.2 | 6.14 | 23.7 | 115 | 6.77 | 16.0 | 257 | 16.7 | 211 | 97.0 | 6.46 | 17.5 | 36.6 | 5.34 | 11.3 | 21.8 | 2.88 | 241 | 51.9 | 10.7 | 24.7 | 188 | 9.80 | 338 | 566 | 19.1 | 84.7 | 57.6 |
| Benzo[a]pyrene | µg/kg | 1 | 3.45 | 252 | 94.7 | 2200 | S4UL resi+PU 1% | 11.0 | 51.1 | 35.4 | 6.98 | 26.1 | 118 | 8.31 | 18.6 | 252 | 16.2 | 198 | 95.7 | 7.46 | 18.3 | 33.9 | 6.83 | 18.8 | 24.9 | 3.45 | 215 | 60.9 | 10.8 | 26.3 | 221 | 12.5 | 324 | 863 | 20.7 | 75.8 | 59.2 |
| Benzo[b]fluoranthene | µg/kg | 1 | 3.41 | 233 | 82.7 | 2600 | S4UL resi+PU 1% | 11.0 | 50.0 | 34.5 | 6.70 | 20.5 | 98.5 | 7.63 | 19.7 | 233 | 16.0 | 154 | 85.8 | 7.44 | 16.6 | 30.6 | 5.77 | 17.3 | 25.2 | 3.41 | 178 | 64.2 | 9.91 | 22.3 | 208 | 13.40 | 299 | 691 | 19.3 | 78.0 | 54.5 |
| Benzo[ghi]perylene | µg/kg | 1 | 3.48 | 199 | 64.3 | 320000 | S4UL resi+PU 1% | 8.90 | 40.5 | 25.2 | 5.61 | 18.7 | 80.5 | 6.81 | 14.8 | 199 | 11.2 | 124 | 67.5 | 6.50 | 13.9 | 23.0 | 6.62 | 17.8 | 22.5 | 3.48 | 134 | 48.0 | 8.95 | 19.5 | 158 | 10.90 | 206 | 528 | 17.5 | 60.7 | 40.6 |
| Benzo[k]fluoranthene | µg/kg | 1 | 2.15 | 122 | 42.9 | 77000 | S4UL resi+PU 1% | 6.11 | 24.8 | 18.6 | 3.14 | 11.1 | 57.4 | 3.27 | 9.70 | 122 | 7.28 | 95.6 | 46.8 | 3.31 | 8.83 | 19.1 | 4.95 | 8.64 | 12.7 | 2.15 | 115 | 36.1 | 4.23 | 13.2 | 86.5 | 6.97 | 156 | 321 | 10.6 | 40.8 | 30.4 |
| Chrysene | µg/kg | 1 | 3.59 | 256 | 85.5 | 15000 | S4UL resi+PU 1% | 10.7 | 39.8 | 30.7 | 6.73 | 24.1 | 133 | 7.23 | 17.4 | 256 | 16.8 | 207 | 97.5 | 7.18 | 18.4 | 38.0 | 6.18 | 13.3 | 28.6 | 3.59 | 227 | 59.4 | 11.7 | 26.7 | 198 | 11.4 | 330 | 574 | 19.8 | 86.2 | 58.6 |
| Dibenzo[ah]anthracene | µg/kg | 1 | 1.03 | 43.4 | 15.4 | 240 | S4UL resi+PU 1% | 1.80 | 8.71 | 5.63 | 1.03 | 3.91 | 21.2 | 1.27 | 3.48 | 43.4 | 2.80 | 33.4 | 20.0 | 1.37 | 3.00 | 5.38 | 1.23 | 2.65 | 3.74 | <1 | 30.9 | 7.60 | 1.78 | 4.07 | 35.4 | 2.17 | 50.6 | 125 | 3.64 | 12.5 | 8.73 |
| Fluoranthene | µg/kg | 1 | 6.6 | 402 | 140.4 | 280000 | S4UL resi+PU 1% | 21.1 | 58.2 | 54.7 | 11.0 | 40.0 | 253 | 10.9 | 20.3 | 402 | 29.8 | 348 | 176 | 12.0 | 29.1 | 66.6 | 9.13 | 20.9 | 55.1 | 6.60 | 342 | 89.4 | 19.0 | 42.5 | 260 | 18.0 | 615 | 898 | 30.6 | 162 | 112 |
| Fluorene | µg/kg | 1 | 1.02 | 44.1 | 15.4 | 170000 | S4UL resi+PU 1% | <1 | 5.22 | 5.15 | <1 | 3.64 | 41.0 | <1 | 1.26 | 34.8 | 1.47 | 44.1 | 25.4 | <1 | 3.47 | 3.99 | <1 | 1.99 | 2.48 | <1 | 25.7 | 9.20 | 2.48 | 3.82 | 17.4 | 1.02 | 38.0 | 78.3 | 1.61 | 11.9 | 6.68 |
| Indeno[1,2,3-cd]pyrene | µg/kg | 1 | 3.25 | 201 | 72.3 | 27000 | S4UL resi+PU 1% | 9.92 | 44.3 | 28.0 | 6.29 | 19.6 | 90.5 | 7.58 | 17.1 | 201 | 13.3 | 136 | 72.2 | 7.05 | 14.9 | 24.9 | 6.41 | 16.0 | 20.4 | 3.25 | 135 | 46.3 | 8.23 | 19.3 | 172 | 11.3 | 243 | 668 | 18.2 | 61.1 | 46.60 |
| Naphthalene | µg/kg | 1 | 1.12 | 25.3 | 15.6 | 2300 | S4UL resi+PU 1% | 1.46 | 6.02 | 4.04 | <1 | 3.06 | 24.1 | <1 | 1.89 | 22.4 | 2.63 | 25.3 | 13.6 | <1 | 3.63 | 4.59 | 1.12 | 4.76 | 5.68 | 1.12 | 42.3 | 13.6 | 4.11 | 7.43 | 30.9 | 2.35 | 29.4 | 136 | 5.01 | 17.6 | 8.32 |
| Phenanthrene | µg/kg | 1 | 3.25 | 263 | 92.5 | 95000 | S4UL resi+PU 1% | 8.15 | 33.1 | 37.5 | 3.96 | 26.5 | 256 | 5.12 | 8.79 | 258 | 15.0 | 263 | 136 | 5.59 | 21.2 | 39.8 | 5.17 | 15.8 | 31.1 | 3.25 | 210 | 63.9 | 13.4 | 27.1 | 133 | 7.83 | 404 | 566 | 14.6 | 107 | 56.20 |
| Pyrene | µg/kg | 1 | 7 | 436 | 161.8 | 620000 | S4UL resi+PU 1% | 19.7 | 77.9 | 59.6 | 10.9 | 45.1 | 262 | 10.8 | 24.6 | 436 | 27.2 | 407 | 191 | 12.1 | 33.1 | 66.1 | 10.8 | 26.5 | 63.7 | 7.00 | 366 | 147 | 23.9 | 47.2 | 353 | 20.3 | 589 | 1210 | 32.6 | 158 | 117 |
| Total Hydrocarbons (THC) | µg/kg | 100 | 7950 | 72700 | 32046.3 | 1000000 | N/A | 9430 | 42100 | 26400 | 7950 | 16900 | 35400 | 9050 | 12200 | 72700 | 11000 | 52500 | 35800 | 11500 | 13500 | 15000 | 8330 | 19000 | 20400 | 9330 | 48300 | 44800 | 14000 | 16800 | 80700 | 16600 | 61800 | 144000 | 28600 | 35700 | 41600 |
| **PCBs** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PCB28 | µg/kg | 0.08 | 0.08 | 0.12 | 0.1 | | | <0.08 | <0.08 | 0.10 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.12 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.09 | <0.08 | <0.08 | <0.08 | <0.08 | 0.10 | 0.09 |
| PCB52 | µg/kg | 0.08 | 0.08 | 0.14 | 0.1 | | | <0.08 | <0.08 | 0.09 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.14 | 0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.08 |
| PCB101 | µg/kg | 0.08 | 0.09 | 0.19 | 0.1 | | | <0.08 | <0.08 | 0.16 | <0.08 | <0.08 | 0.14 | <0.08 | <0.08 | <0.08 | <0.08 | 0.19 | 0.10 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.13 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.13 | <0.08 | <0.08 | <0.08 | <0.08 | 0.09 | 0.10 |
| PCB118 | µg/kg | 0.08 | 0.1 | 0.19 | 0.1 | | | <0.08 | <0.08 | 0.13 | <0.08 | <0.08 | 0.10 | <0.08 | <0.08 | <0.08 | <0.08 | 0.19 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.12 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.11 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.10 |
| PCB138 | µg/kg | 0.08 | 0.09 | 0.22 | 0.1 | | | <0.08 | <0.08 | 0.20 | <0.08 | <0.08 | 0.13 | <0.08 | <0.08 | <0.08 | <0.08 | 0.22 | 0.10 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.12 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.14 | <0.08 | <0.08 | <0.08 | <0.08 | 0.09 | <0.08 |
| PCB153 | µg/kg | 0.08 | 0.08 | 0.29 | 0.2 | | | <0.08 | <0.08 | 0.29 | <0.08 | <0.08 | 0.21 | <0.08 | <0.08 | <0.08 | <0.08 | 0.24 | 0.11 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.12 | <0.08 | 0.08 | <0.08 | <0.08 | <0.08 | 0.21 | <0.08 | 0.09 | <0.08 | <0.08 | <0.08 | 0.09 |
| PCB180 | µg/kg | 0.08 | 0.09 | 0.16 | 0.1 | | | <0.08 | <0.08 | 0.16 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | 0.09 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 | <0.08 |

# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

| | |
|---|---|
| Test Report ID | MAR00909 |
| Issue Version | 1 |
| Customer Reference | Ardrossan Marine Scotland Sediment Analysis |

| | | **Units** | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | pH Units | mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Method No** | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Spec Chem* |
| | | **EQS Assessment Criteria** | 0.025 | 0.0002 | 0.032 | 0.00376 | 0.0013 | 0.0086 | 0.0079 | N/A | 0.000005 |
| | | **Accreditation** | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS |
| **Client Reference:** | **SOCOTEC Ref:** | **Matrix** | **Arsenic as As (Dissolved)** | **Cadmium as Cd (Dissolved)** | **Chromium as Cr (Dissolved)** | **Copper as Cu (Dissolved)** | **Lead as Pb (Dissolved)** | **Nickel as Ni (Dissolved)** | **Zinc as Zn (Dissolved)** | **pH Units** | **Low Level Mercury** |
| VC01 @ 11.30 0.00-0.15 | MAR00909.001 | Sediment Leachate (10:1) | 0.004 | <0.00002 | <0.001 | 0.002 | <0.001 | <0.001 | 0.002 | 7.5 | <0.000005 |
| VC01 @ 11;30 0.90-1.40 | MAR00909.003 | Sediment Leachate (10:1) | 0.001 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 | 7.5 | <0.000005 |
| VC02 @ 12:40 0.15-0.40 | MAR00909.005 | Sediment Leachate (10:1) | 0.003 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | 7.4 | <0.000005 |
| VC03 @ 14:10 0.50-1.00 | MAR00909.009 | Sediment Leachate (10:1) | 0.001 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | 0.004 | 7.5 | <0.000005 |
| VC04 @ 14:40 0.20-0.70 | MAR00909.011 | Sediment Leachate (10:1) | 0.002 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | 0.002 | 7.5 | <0.000005 |
| VC05 @ 16:15 0.25-0.75 | MAR00909.014 | Sediment Leachate (10:1) | 0.002 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | 7.5 | <0.000005 |
| VC06 @ 16:50 0.50-1.00 | MAR00909.018 | Sediment Leachate (10:1) | 0.002 | <0.00002 | <0.001 | 0.003 | <0.001 | <0.001 | <0.002 | 7.4 | <0.000005 |
| VC08 @ 13:30 0.60-1.10 | MAR00909.024 | Sediment Leachate (10:1) | 0.002 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | 7.5 | <0.000005 |
| VC09 @ 12:30 0.15 -0.50 | MAR00909.026 | Sediment Leachate (10:1) | 0.005 | <0.00002 | <0.001 | 0.003 | <0.001 | <0.001 | 0.005 | 7.4 | <0.000005 |
| VC10 @ 10:15 0.00-0.15 | MAR00909.028 | Sediment Leachate (10:1) | 0.003 | 0.00003 | <0.001 | <0.001 | <0.001 | <0.001 | 0.003 | 7.5 | <0.000005 |
| VC10 @ 10:15 1.00-1.50 | MAR00909.029 | Sediment Leachate (10:1) | 0.003 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | 8.0 | <0.000005 |
| VC10 @10:15 1.50-2.00 | MAR00909.030 | Sediment Leachate (10:1) | 0.002 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | 0.003 | 8.2 | <0.000005 |
| | | Blank Spike (% Recovery) | 100 | 99 | 100 | 99 | 99 | 100 | 97 | – | – |
| | | QC Blank | <0.001 | <0.00002 | <0.001 | <0.001 | <0.001 | <0.001 | <0.002 | – | – |

* See Report Notes

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# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR00909
Issue Version 1
Customer Reference Ardrossan Marine Scotland Sediment Analysis

| | | **Units** | ug/L | ug/L | ug/L | ug/L | ug/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Method No** | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* |
| | | **Limit of Detection** | 5 | 5 | 10 | 5 | 5 | 0.1 | 0.1 | 0.005 | 0.1 | 0.02 | 0.1 | 0.005 | 0.1 |
| | | **Accreditation** | UKAS | UKAS | UKAS | UKAS | UKAS | No | No | No | No | No | No | No | No |
| **Client Reference:** | **SOCOTEC Ref:** | **Matrix** | **Benzene** | **Ethyl Benzene** | **m/p Xylenes** | **o Xylene** | **Toluene** | **>C6-C7 Aliphatic** | **>C7-C8 Aliphatic** | **>C7-C8 Aromatic** | **>C8-C10 Aliphatic** | **>C8-C10 Aromatic** | **C5-C6 Aliphatic** | **C5-C7 Aromatic** | **Total GRO** |
| VC01 @ 11.30 0.00-0.15 | MAR00909.001 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC01 @ 11:30 0.90-1.40 | MAR00909.003 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC02 @ 12:40 0.15-0.40 | MAR00909.005 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC03 @ 14:10 0.50-1.00 | MAR00909.009 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC04 @ 14:40 0.20-0.70 | MAR00909.011 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC05 @ 16:15 0.25-0.75 | MAR00909.014 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC06 @ 16:50 0.50-1.00 | MAR00909.018 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC08 @ 13:30 0.60-1.10 | MAR00909.024 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC09 @ 12:30 0.15 -0.50 | MAR00909.026 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC10 @ 10:15 0.00-0.15 | MAR00909.028 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC10 @ 10:15 1.00-1.50 | MAR00909.029 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| VC10 @10:15 1.50-2.00 | MAR00909.030 | Sediment Leachate (10:1) | <5 | <5 | <10 | <5 | <5 | <0.100 | <0.100 | <0.005 | <0.100 | <0.020 | <0.100 | <0.005 | <0.100 |
| Blank Spike (% Recovery) | | | 108 | 93 | 95 | 103 | 110 | 108 | 110 | 110 | 97 | 97 | 108 | 108 | 104 |
| QC Blank | | | < 5.0 | < 5.0 | < 10.0 | < 5.0 | < 5.0 | < 0.100 | < 0.100 | < 0.005 | < 0.100 | <0.020 | < 0.100 | < 0.005 | < 0.100 |

* See Report Notes

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Results contained herewith only apply to the samples tested

# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

| | |
|---|---|
| Test Report ID | MAR00909 |
| Issue Version | 1 |
| Customer Reference | Ardrossan Marine Scotland Sediment Analysis |

| | | **Units** | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Method No** | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* |
| | | **EQS Criteria** | 0.025 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | **Accreditation** | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS |
| **Client Reference:** | **SOCOTEC Ref:** | **Matrix** | **>C10-C12 (Aliphatic)** | **>C12-C16 (Aliphatic)** | **>C16-C21 (Aliphatic)** | **>C21-C35 (Aliphatic)** | **Total TPH (Aliphatic)** | **>C10-C12 (Aromatic)** | **>C12-C16 (Aromatic)** | **>C16-C21 (Aromatic)** | **>C21-C35 (Aromatic)** | **Total TPH (Aromatic)** |
| VC01 @ 11.30 0.00-0.15 | MAR00909.001 | Sediment Leachate (10:1) | <0.01 | <0.01 | 0.02 | <0.01 | 0.04 | <0.01 | <0.01 | <0.01 | <0.01 | 0.020 |
| VC01 @ 11;30 0.90-1.40 | MAR00909.003 | Sediment Leachate (10:1) | <0.01 | 0.01 | 0.01 | <0.01 | 0.04 | <0.01 | 0.01 | <0.01 | <0.01 | 0.030 |
| VC02 @ 12:40 0.15-0.40 | MAR00909.005 | Sediment Leachate (10:1) | <0.01 | <0.01 | 0.02 | 0.02 | 0.05 | <0.01 | 0.02 | <0.01 | <0.01 | 0.030 |
| VC03 @ 14:10 0.50-1.00 | MAR00909.009 | Sediment Leachate (10:1) | <0.01 | <0.01 | 0.02 | <0.01 | 0.04 | <0.01 | 0.01 | <0.01 | <0.01 | 0.020 |
| VC04 @ 14:40 0.20-0.70 | MAR00909.011 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | 0.01 | <0.01 | <0.01 | 0.030 |
| VC05 @ 16:15 0.25-0.75 | MAR00909.014 | Sediment Leachate (10:1) | 0.01 | 0.02 | 0.02 | 0.02 | 0.07 | <0.01 | 0.01 | <0.01 | <0.01 | 0.020 |
| VC06 @ 16:50 0.50-1.00 | MAR00909.018 | Sediment Leachate (10:1) | <0.01 | 0.01 | <0.01 | 0.02 | 0.06 | <0.01 | <0.01 | <0.01 | <0.01 | 0.020 |
| VC08 @ 13:30 0.60-1.10 | MAR00909.024 | Sediment Leachate (10:1) | <0.01 | 0.02 | 0.02 | 0.03 | 0.09 | <0.01 | 0.01 | <0.01 | <0.01 | 0.030 |
| VC09 @ 12:30 0.15 -0.50 | MAR00909.026 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | 0.20 | 0.24 | <0.01 | <0.01 | <0.01 | <0.01 | 0.020 |
| VC10 @ 10:15 0.00-0.15 | MAR00909.028 | Sediment Leachate (10:1) | <0.01 | 0.02 | <0.01 | <0.01 | 0.06 | <0.01 | <0.01 | <0.01 | <0.01 | 0.030 |
| VC10 @ 10:15 1.00-1.50 | MAR00909.029 | Sediment Leachate (10:1) | <0.01 | 0.01 | 0.01 | 0.010 | 0.05 | <0.01 | 0.01 | <0.01 | <0.01 | 0.030 |
| VC10 @10:15 1.50-2.00 | MAR00909.030 | Sediment Leachate (10:1) | <0.01 | 0.01 | <0.01 | 0.010 | 0.04 | <0.01 | <0.01 | <0.01 | <0.01 | 0.020 |
| | | Blank Spike (% Recovery) | 113 | 95 | 114 | 103 | 108 | 100 | 104 | 107 | 108 | 95 |
| | | QC Blank | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

* See Report Notes

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Results contained herewith only apply to the samples tested

# Certificate of Analysis

Issuing Laboratory SOCOTEC, Marine Department, Specialist Chemistry, Etwall House, Bretby Business Park, Ashby Road, Bretby, Burton-upon-Trent DE15 0YZ

Test Report ID MAR00909
Issue Version 1
Customer Reference Ardrossan Marine Scotland Sediment Analysis

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | **Units** | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| | | **Method No** | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* | SOCOTEC Env Chem* |
| | | **Limit of Detection** | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 |
| | | **Accreditation** | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS | UKAS |
| **Client Reference:** | **SOCOTEC Ref:** | **Matrix** | **Acenaphthene** | **Acenaphthylene** | **Anthracene** | **Benzo[a]anthracene** | **Benzo[a]pyrene** | **Benzo[b]fluoranthene** | **Benzo[g,h,i]perylene** | **Benzo[k]fluoranthene** | **Chrysene** | **Dibenzo[a,h]anthracene** | **Fluoranthene** | **Fluorene** | **Indeno[1,2,3-cd]pyrene** | **Naphthalene** | **Phenanthrene** | **Pyrene** |
| VC01 @ 11.30 0.00-0.15 | MAR00909.001 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| VC01 @ 11;30 0.90-1.40 | MAR00909.003 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| VC02 @ 12:40 0.15-0.40 | MAR00909.005 | Sediment Leachate (10:1) | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 |
| VC03 @ 14:10 0.50-1.00 | MAR00909.009 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| VC04 @ 14:40 0.20-0.70 | MAR00909.011 | Sediment Leachate (10:1) | 0.06 | 0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | 0.07 | <0.01 | <0.01 |
| VC05 @ 16:15 0.25-0.75 | MAR00909.014 | Sediment Leachate (10:1) | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 |
| VC06 @ 16:50 0.50-1.00 | MAR00909.018 | Sediment Leachate (10:1) | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | <0.01 |
| VC08 @ 13:30 0.60-1.10 | MAR00909.024 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 |
| VC09 @ 12:30 0.15 -0.50 | MAR00909.026 | Sediment Leachate (10:1) | 0.04 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | 0.02 | <0.01 | <0.01 |
| VC10 @ 10:15 0.00-0.15 | MAR00909.028 | Sediment Leachate (10:1) | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 |
| VC10 @ 10:15 1.00-1.50 | MAR00909.029 | Sediment Leachate (10:1) | 0.06 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.03 | <0.01 | 0.07 | <0.01 | <0.01 |
| VC10 @10:15 1.50-2.00 | MAR00909.030 | Sediment Leachate (10:1) | 0.03 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.02 | <0.01 | 0.10 | <0.01 | <0.01 |
| | | Blank Spike (% Recovery) | 112 | 104 | 87 | 100 | 96 | 106 | 111 | 97 | 107 | 106 | 97 | 113 | 113 | 115 | 105 | 95 |
| | | QC Blank | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 | < 0.01 |

* See Report Notes

This report shall not be reproduced, except in full, without the written permission of the laboratory
Results contained herewith only apply to the samples tested

# D SEA DISPOSAL ASSESSMENT

Table 7-1: Chemical Analysis Screening Summary

| **Sample ID** | **Metals** | | **TBT** | | **Hydro carbo ns** | **PAHs** | **PCBs** | |
|---|---|---|---|---|---|---|---|---|
| **Action Level** | **AL1** | **AL2** | **AL1** | **AL2** | **AL1** | **AL1** | **AL1** | **AL2** |
| VC04 0-0.15 | Fail | Pass | Pass | Pass | Pass | Fail | Pass | Pass |
| VC04 0.2-0.7 | Fail | Pass | Pass | Pass | Fail | Pass | Pass | Pass |
| VC04 0.7-1.2 | Fail | Pass | Pass | Pass | Fail | Pass | Pass | Pass |
| VC05 0-0.15 | Fail | Pass | Pass | Pass | Fail | Pass | Pass | Pass |
| VC05 0.25-0.75 | Fail | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| VC05 0.75-1.25 | Fail | Pass | Pass | Pass | Pass | Pass | Pass | Pass |
| VC08 0-0.15 | Fail | Pass | Pass | | Pass | Pass | Pass | Pass |
| VC08 0.15-0.6 | Fail | Pass | Pass | | Pass | Pass | Pass | Pass |
| VC08 06-1.1 | Fail | Pass | Pass | | Pass | Fail | Pass | Pass |
| VC09 0-0.15 | Fail | Pass | Pass | | Pass | Pass | Pass | Pass |
| VC09 0.15-0.5 | Fail | Pass | Pass | | Pass | Fail | Pass | Pass |
| VC09 0.5-1.0 | Fail | Pass | Pass | | Pass | Fail | Pass | Pass |
| VC10 0-0.15 | Fail | Pass | Pass | | Pass | Pass | Pass | Pass |
| VC10 1-1.5 | Fail | Pass | Pass | | Pass | Fail | Pass | Pass |
| VC10 1.5-2.0 | Fail | Pass | Pass | | Pass | Fail | Pass | Pass |

# E WASTE CLASSIFICATION REPORT

# Waste Classification Report

983J6-YA6QG-FXMEU

## Job name

Ardrossan Sediment

## Description/Comments

## Project

## Site

## Related Documents

| # | Name | Description |
|---|---|---|
| None | | |

## Waste Stream Template

Example waste stream template for contaminated soils

## Classified by


Name:
**Graeme Duff**
Date:
**24 Mar 2021 14:14 GMT**
Telephone:
**0141 341 5040**

Company:
**EnviroCentre Limited**
**Craighall Business Park**
**8 Eagle Street**
**Glasgow**
**G4 9XA**


HazWasteOnline™ Training Record:

| Course | Date |
|---|---|
| Hazardous Waste Classification | 15 Mar 2017 |
| Advanced Hazardous Waste Classification | 15 Mar 2018 |

## Report

Created by: Graeme Duff
Created date: 24 Mar 2021 14:14 GMT

## Job summary

| # | Sample Name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 1 | VC01 @ 11.30 0.00-0.15 | | Non Hazardous | | 3 |
| 2 | VC01 @ 11:30 0.40-0.90 | | Non Hazardous | | 5 |
| 3 | VC01 @ 11;30 0.90-1.40 | | Non Hazardous | | 7 |
| 4 | VC02 @ 12:40 0.00-0.15 | | Non Hazardous | | 9 |
| 5 | VC02 @ 12:40 0.15-0.40 | | Non Hazardous | | 11 |
| 6 | VC02 @ 12:40 0.40-0.90 | | Non Hazardous | | 13 |
| 7 | VC03 @ 14:10 0.00-0.15 | | Non Hazardous | | 15 |
| 8 | VC03 @ 14:10 0.15-0.50 | | Non Hazardous | | 17 |
| 9 | VC03 @ 14:10 0.50-1.00 | | Non Hazardous | | 19 |
| 10 | VC04 @ 14:40 0.00-0.15 | | Non Hazardous | | 21 |
| 11 | VC04 @ 14:40 0.20-0.70 | | Non Hazardous | | 23 |
| 12 | VC04 @ 14:40 0.70-1.20 | | Non Hazardous | | 25 |

| # | Sample Name | Depth [m] | Classification Result | Hazard properties | Page |
|---|---|---|---|---|---|
| 13 | VC05 @ 16:15 0.00-0.15 | | Non Hazardous | | 27 |
| 14 | VC05 @ 16:15 0.25-0.75 | | Non Hazardous | | 29 |
| 15 | VC05 @ 16:15 0.75-1.25 | | Non Hazardous | | 31 |
| 16 | VC06 @ 16:50 0.00-0.15 | | Non Hazardous | | 33 |
| 17 | VC06 @ 16:50 0.15-0.50 | | Non Hazardous | | 35 |
| 18 | VC06 @ 16:50 0.50-1.00 | | Non Hazardous | | 37 |
| 19 | VC07 @ 14:45 0.00-0.15 | | Non Hazardous | | 39 |
| 20 | VC07 @ 14.45 0.15-0.50 | | Non Hazardous | | 41 |
| 21 | VC07 @ 14:45 0.50-1.00 | | Non Hazardous | | 43 |
| 22 | VC08 @ 13:30 0.00-0.15 | | Non Hazardous | | 45 |
| 23 | VC08 @ 13:30 0.15-0.60 | | Non Hazardous | | 47 |
| 24 | VC08 @ 13:30 0.60-1.10 | | Non Hazardous | | 49 |
| 25 | VC09 @ 12:30 0.00-0.15 | | Non Hazardous | | 51 |
| 26 | VC09 @ 12:30 0.15 -0.50 | | Non Hazardous | | 53 |
| 27 | VC09 @ 12:30 0.50-1.00 | | Non Hazardous | | 55 |
| 28 | VC10 @ 10:15 0.00-0.15 | | Non Hazardous | | 57 |
| 29 | VC10 @ 10:15 1.00-1.50 | | Non Hazardous | | 59 |
| 30 | VC10 @10:15 1.50-2.00 | | Non Hazardous | | 61 |

| Appendices | Page |
|---|---|
| Appendix A: Classifier defined and non CLP determinands | 63 |
| Appendix B: Rationale for selection of metal species | 64 |
| Appendix C: Version | 64 |

## Classification of sample: VC01 @ 11.30 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC01 @ 11.30 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 6.5 | mg/kg | 1.32 | 8.582 | mg/kg | 0.000858 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.13 | mg/kg | 1.142 | 0.149 | mg/kg | 0.0000149 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 57.8 | mg/kg | 2.27 | 131.206 | mg/kg | 0.0131 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 12 | mg/kg | 1.126 | 13.511 | mg/kg | 0.00135 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 20.6 | mg/kg | 1.56 | 32.132 | mg/kg | 0.00206 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.08 | mg/kg | 1.353 | 0.108 | mg/kg | 0.0000108 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 59 | mg/kg | 2.976 | 175.6 | mg/kg | 0.0176 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 84.5 | mg/kg | 2.774 | 234.415 | mg/kg | 0.0234 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 9.43 | mg/kg | | 9.43 | mg/kg | 0.000943 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.000000146 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0081 | mg/kg | | 0.0081 | mg/kg | 0.000000815 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0028 | mg/kg | | 0.0028 | mg/kg | 0.000000286 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0211 | mg/kg | | 0.0211 | mg/kg | 0.00000211 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0197 mg/kg | | 0.0197 mg/kg | 0.00000197 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0101 mg/kg | | 0.0101 mg/kg | 0.00000101 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0107 mg/kg | | 0.0107 mg/kg | 0.00000107 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.011 mg/kg | | 0.011 mg/kg | 0.0000011 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.1e-05 mg/kg | | 1.1e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.011 mg/kg | | 0.011 mg/kg | 0.0000011 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0099 mg/kg | | 0.0099 mg/kg | 0.000000992 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0018 mg/kg | | 0.0018 mg/kg | 0.00000018 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0089 mg/kg | | 0.0089 mg/kg | 0.00000089 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0597 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00094%)

## Classification of sample: VC01 @ 11:30 0.40-0.90

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC01 @ 11:30 0.40-0.90**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 7.7 | mg/kg | 1.32 | 10.167 | mg/kg | 0.00102 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.17 | mg/kg | 1.142 | 0.194 | mg/kg | 0.0000194 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 50 | mg/kg | 2.27 | 113.5 | mg/kg | 0.0114 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 15.7 | mg/kg | 1.126 | 17.676 | mg/kg | 0.00177 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 47.9 | mg/kg | 1.56 | 74.715 | mg/kg | 0.00479 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.28 | mg/kg | 1.353 | 0.379 | mg/kg | 0.0000379 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 50.3 | mg/kg | 2.976 | 149.706 | mg/kg | 0.015 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 114 | mg/kg | 2.774 | 316.253 | mg/kg | 0.0316 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 42.1 | mg/kg | | 42.1 | mg/kg | 0.00421 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.006 | mg/kg | | 0.006 | mg/kg | 0.000000602 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0044 | mg/kg | | 0.0044 | mg/kg | 0.000000449 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0021 | mg/kg | | 0.0021 | mg/kg | 0.000000219 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0052 | mg/kg | | 0.0052 | mg/kg | 0.000000522 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0331 | mg/kg | | 0.0331 | mg/kg | 0.00000331 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0129 | mg/kg | | 0.0129 | mg/kg | 0.00000129 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0582 | mg/kg | | 0.0582 | mg/kg | 0.00000582 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | | pyrene | | | | 0.0779 mg/kg | | 0.0779 mg/kg | 0.00000779 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0352 mg/kg | | 0.0352 mg/kg | 0.00000352 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0398 mg/kg | | 0.0398 mg/kg | 0.00000398 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.05 mg/kg | | 0.05 mg/kg | 0.000005 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 5.0e-05 mg/kg | | 5.0e-05 mg/kg | 0.000000005 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0511 mg/kg | | 0.0511 mg/kg | 0.00000511 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | | indeno[123-cd]pyrene | | | | 0.0443 mg/kg | | 0.0443 mg/kg | 0.00000443 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0087 mg/kg | | 0.0087 mg/kg | 0.000000871 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | | benzo[ghi]perylene | | | | 0.0405 mg/kg | | 0.0405 mg/kg | 0.00000405 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0698 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00421%)

## Classification of sample: VC01 @ 11;30 0.90-1.40

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC01 @ 11;30 0.90-1.40**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 27.9 | mg/kg | 1.32 | 36.837 | mg/kg | 0.00368 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.26 | mg/kg | 1.142 | 0.297 | mg/kg | 0.0000297 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 55.9 | mg/kg | 2.27 | 126.893 | mg/kg | 0.0127 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 15.8 | mg/kg | 1.126 | 17.789 | mg/kg | 0.00178 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 41.9 | mg/kg | 1.56 | 65.356 | mg/kg | 0.00419 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.22 | mg/kg | 1.353 | 0.298 | mg/kg | 0.0000298 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 56 | mg/kg | 2.976 | 166.671 | mg/kg | 0.0167 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 125 | mg/kg | 2.774 | 346.768 | mg/kg | 0.0347 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 26.4 | mg/kg | | 26.4 | mg/kg | 0.00264 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.004 | mg/kg | | 0.004 | mg/kg | 0.000000404 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0017 | mg/kg | | 0.0017 | mg/kg | 0.000000178 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0041 | mg/kg | | 0.0041 | mg/kg | 0.000000412 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0051 | mg/kg | | 0.0051 | mg/kg | 0.000000515 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0375 | mg/kg | | 0.0375 | mg/kg | 0.00000375 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0121 | mg/kg | | 0.0121 | mg/kg | 0.00000121 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0547 | mg/kg | | 0.0547 | mg/kg | 0.00000547 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0596 mg/kg | | 0.0596 mg/kg | 0.00000596 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0302 mg/kg | | 0.0302 mg/kg | 0.00000302 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0307 mg/kg | | 0.0307 mg/kg | 0.00000307 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0345 mg/kg | | 0.0345 mg/kg | 0.00000345 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 3.45e-05 mg/kg | | 3.45e-05 mg/kg | 0.000000003 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0354 mg/kg | | 0.0354 mg/kg | 0.00000354 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.028 mg/kg | | 0.028 mg/kg | 0.0000028 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0056 mg/kg | | 0.0056 mg/kg | 0.000000563 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0252 mg/kg | | 0.0252 mg/kg | 0.00000252 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0764 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00264%)

## Classification of sample: VC02 @ 12:40 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC02 @ 12:40 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 7.1 | mg/kg | 1.32 | 9.374 | mg/kg | 0.000937 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.07 | mg/kg | 1.142 | 0.08 | mg/kg | 0.000008 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 53.4 | mg/kg | 2.27 | 121.218 | mg/kg | 0.0121 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.8 | mg/kg | 1.126 | 12.16 | mg/kg | 0.00122 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 19.3 | mg/kg | 1.56 | 30.104 | mg/kg | 0.00193 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 55.5 | mg/kg | 2.976 | 165.183 | mg/kg | 0.0165 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 77 | mg/kg | 2.774 | 213.609 | mg/kg | 0.0214 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 7.95 | mg/kg | | 7.95 | mg/kg | 0.000795 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0039 | mg/kg | | 0.0039 | mg/kg | 0.000000396 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.000000144 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.011 | mg/kg | | 0.011 | mg/kg | 0.0000011 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0109 mg/kg | | 0.0109 mg/kg | 0.00000109 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0061 mg/kg | | 0.0061 mg/kg | 0.000000614 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0067 mg/kg | | 0.0067 mg/kg | 0.000000673 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0067 mg/kg | | 0.0067 mg/kg | 0.00000067 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 6.7e-06 mg/kg | | 6.7e-06 mg/kg | 6.7e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0069 mg/kg | | 0.0069 mg/kg | 0.000000698 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0062 mg/kg | | 0.0062 mg/kg | 0.000000629 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.001 mg/kg | | 0.001 mg/kg | 0.000000103 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0056 mg/kg | | 0.0056 mg/kg | 0.000000561 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0553 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00079%)

## Classification of sample: VC02 @ 12:40 0.15-0.40

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC02 @ 12:40 0.15-0.40**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 5.3 | mg/kg | 1.32 | 6.998 | mg/kg | 0.0007 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.11 | mg/kg | 1.142 | 0.126 | mg/kg | 0.0000126 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 53.1 | mg/kg | 2.27 | 120.537 | mg/kg | 0.0121 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 11.9 | mg/kg | 1.126 | 13.398 | mg/kg | 0.00134 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 20.6 | mg/kg | 1.56 | 32.132 | mg/kg | 0.00206 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.08 | mg/kg | 1.353 | 0.108 | mg/kg | 0.0000108 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 53.8 | mg/kg | 2.976 | 160.123 | mg/kg | 0.016 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 77.6 | mg/kg | 2.774 | 215.274 | mg/kg | 0.0215 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 16.9 | mg/kg | | 16.9 | mg/kg | 0.00169 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.003 | mg/kg | | 0.003 | mg/kg | 0.000000306 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.00000014 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0039 | mg/kg | | 0.0039 | mg/kg | 0.000000398 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0036 | mg/kg | | 0.0036 | mg/kg | 0.000000364 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0265 | mg/kg | | 0.0265 | mg/kg | 0.00000265 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0079 | mg/kg | | 0.0079 | mg/kg | 0.000000794 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.04 | mg/kg | | 0.04 | mg/kg | 0.000004 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0451 mg/kg | | 0.0451 mg/kg | 0.00000451 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0237 mg/kg | | 0.0237 mg/kg | 0.00000237 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0241 mg/kg | | 0.0241 mg/kg | 0.00000241 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0205 mg/kg | | 0.0205 mg/kg | 0.00000205 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 2.05e-05 mg/kg | | 2.05e-05 mg/kg | 0.000000002 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0261 mg/kg | | 0.0261 mg/kg | 0.00000261 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0196 mg/kg | | 0.0196 mg/kg | 0.00000196 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0039 mg/kg | | 0.0039 mg/kg | 0.000000391 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0187 mg/kg | | 0.0187 mg/kg | 0.00000187 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0554 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00169%)

## Classification of sample: VC02 @ 12:40 0.40-0.90

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC02 @ 12:40 0.40-0.90**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 20.6 | mg/kg | 1.32 | 27.199 | mg/kg | 0.00272 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.25 | mg/kg | 1.142 | 0.286 | mg/kg | 0.0000286 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 51.7 | mg/kg | 2.27 | 117.359 | mg/kg | 0.0117 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 14.9 | mg/kg | 1.126 | 16.776 | mg/kg | 0.00168 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 36.9 | mg/kg | 1.56 | 57.557 | mg/kg | 0.00369 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.15 | mg/kg | 1.353 | 0.203 | mg/kg | 0.0000203 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 53 | mg/kg | 2.976 | 157.742 | mg/kg | 0.0158 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 101 | mg/kg | 2.774 | 280.189 | mg/kg | 0.028 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 35.4 | mg/kg | | 35.4 | mg/kg | 0.00354 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0241 | mg/kg | | 0.0241 | mg/kg | 0.00000241 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0033 | mg/kg | | 0.0033 | mg/kg | 0.000000339 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0515 | mg/kg | | 0.0515 | mg/kg | 0.00000515 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.041 | mg/kg | | 0.041 | mg/kg | 0.0000041 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.256 | mg/kg | | 0.256 | mg/kg | 0.0000256 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0828 | mg/kg | | 0.0828 | mg/kg | 0.00000828 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.253 | mg/kg | | 0.253 | mg/kg | 0.0000253 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.262 mg/kg | | 0.262 mg/kg | 0.0000262 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.115 mg/kg | | 0.115 mg/kg | 0.0000115 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.133 mg/kg | | 0.133 mg/kg | 0.0000133 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0985 mg/kg | | 0.0985 mg/kg | 0.00000985 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 9.85e-05 mg/kg | | 9.85e-05 mg/kg | 0.000000009 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.118 mg/kg | | 0.118 mg/kg | 0.0000118 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0905 mg/kg | | 0.0905 mg/kg | 0.00000905 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0212 mg/kg | | 0.0212 mg/kg | 0.00000212 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0805 mg/kg | | 0.0805 mg/kg | 0.00000805 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0674 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00354%)

## Classification of sample: VC03 @ 14:10 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC03 @ 14:10 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 31.3 | mg/kg | 1.32 | 41.326 | mg/kg | 0.00413 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.08 | mg/kg | 1.142 | 0.0914 | mg/kg | 0.00000914 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 53.8 | mg/kg | 2.27 | 122.126 | mg/kg | 0.0122 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.6 | mg/kg | 1.126 | 11.934 | mg/kg | 0.00119 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 19.2 | mg/kg | 1.56 | 29.948 | mg/kg | 0.00192 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.08 | mg/kg | 1.353 | 0.108 | mg/kg | 0.0000108 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 55.3 | mg/kg | 2.976 | 164.587 | mg/kg | 0.0165 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 77.7 | mg/kg | 2.774 | 215.551 | mg/kg | 0.0216 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 9.05 | mg/kg | | 9.05 | mg/kg | 0.000905 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0051 | mg/kg | | 0.0051 | mg/kg | 0.000000512 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0019 | mg/kg | | 0.0019 | mg/kg | 0.000000193 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0109 | mg/kg | | 0.0109 | mg/kg | 0.00000109 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0108 mg/kg | | 0.0108 mg/kg | 0.00000108 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0067 mg/kg | | 0.0067 mg/kg | 0.000000677 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0072 mg/kg | | 0.0072 mg/kg | 0.000000723 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0076 mg/kg | | 0.0076 mg/kg | 0.000000763 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 7.63e-06 mg/kg | | 7.63e-06 mg/kg | 7.63e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0083 mg/kg | | 0.0083 mg/kg | 0.000000831 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0075 mg/kg | | 0.0075 mg/kg | 0.000000758 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0012 mg/kg | | 0.0012 mg/kg | 0.000000127 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0068 mg/kg | | 0.0068 mg/kg | 0.000000681 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0588 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0009%)

## Classification of sample: VC03 @ 14:10 0.15-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC03 @ 14:10 0.15-0.50**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 19.7 | mg/kg | 1.32 | 26.01 | mg/kg | 0.0026 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.14 | mg/kg | 1.142 | 0.16 | mg/kg | 0.000016 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 49.7 | mg/kg | 2.27 | 112.819 | mg/kg | 0.0113 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.2 | mg/kg | 1.126 | 11.484 | mg/kg | 0.00115 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 19 | mg/kg | 1.56 | 29.636 | mg/kg | 0.0019 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.08 | mg/kg | 1.353 | 0.108 | mg/kg | 0.0000108 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 52.6 | mg/kg | 2.976 | 156.552 | mg/kg | 0.0157 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 69.4 | mg/kg | 2.774 | 192.526 | mg/kg | 0.0193 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 12.2 | mg/kg | | 12.2 | mg/kg | 0.00122 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0018 | mg/kg | | 0.0018 | mg/kg | 0.000000189 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0011 | mg/kg | | 0.0011 | mg/kg | 0.000000115 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0012 | mg/kg | | 0.0012 | mg/kg | 0.000000126 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0087 | mg/kg | | 0.0087 | mg/kg | 0.000000879 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0033 | mg/kg | | 0.0033 | mg/kg | 0.000000336 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0203 | mg/kg | | 0.0203 | mg/kg | 0.00000203 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0246 mg/kg | | 0.0246 mg/kg | 0.00000246 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.016 mg/kg | | 0.016 mg/kg | 0.0000016 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0174 mg/kg | | 0.0174 mg/kg | 0.00000174 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0197 mg/kg | | 0.0197 mg/kg | 0.00000197 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.97e-05 mg/kg | | 1.97e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0186 mg/kg | | 0.0186 mg/kg | 0.00000186 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0171 mg/kg | | 0.0171 mg/kg | 0.00000171 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0034 mg/kg | | 0.0034 mg/kg | 0.000000348 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0148 mg/kg | | 0.0148 mg/kg | 0.00000148 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0532 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00122%)

## Classification of sample: VC03 @ 14:10 0.50-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC03 @ 14:10 0.50-1.00**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 24.5 | mg/kg | 1.32 | 32.348 | mg/kg | 0.00323 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.22 | mg/kg | 1.142 | 0.251 | mg/kg | 0.0000251 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 53.4 | mg/kg | 2.27 | 121.218 | mg/kg | 0.0121 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 12.3 | mg/kg | 1.126 | 13.848 | mg/kg | 0.00138 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 29 | mg/kg | 1.56 | 45.235 | mg/kg | 0.0029 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.17 | mg/kg | 1.353 | 0.23 | mg/kg | 0.000023 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 55.1 | mg/kg | 2.976 | 163.992 | mg/kg | 0.0164 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 99.9 | mg/kg | 2.774 | 277.137 | mg/kg | 0.0277 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 72.7 | mg/kg | | 72.7 | mg/kg | 0.00727 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0224 | mg/kg | | 0.0224 | mg/kg | 0.00000224 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0169 | mg/kg | | 0.0169 | mg/kg | 0.00000169 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0262 | mg/kg | | 0.0262 | mg/kg | 0.00000262 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0348 | mg/kg | | 0.0348 | mg/kg | 0.00000348 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.258 | mg/kg | | 0.258 | mg/kg | 0.0000258 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0789 | mg/kg | | 0.0789 | mg/kg | 0.00000789 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.402 | mg/kg | | 0.402 | mg/kg | 0.0000402 % | | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | | | |
| 17 | | pyrene | | | | 0.436 | mg/kg | | 0.436 | mg/kg | 0.0000436 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.257 | mg/kg | | 0.257 | mg/kg | 0.0000257 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 19 | | chrysene | | | | 0.256 | mg/kg | | 0.256 | mg/kg | 0.0000256 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.233 | mg/kg | | 0.233 | mg/kg | 0.0000233 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0002 | mg/kg | | 0.0002 | mg/kg | 0.000000023 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.252 | mg/kg | | 0.252 | mg/kg | 0.0000252 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 23 | | indeno[123-cd]pyrene | | | | 0.201 | mg/kg | | 0.201 | mg/kg | 0.0000201 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0434 | mg/kg | | 0.0434 | mg/kg | 0.00000434 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 25 | | benzo[ghi]perylene | | | | 0.199 | mg/kg | | 0.199 | mg/kg | 0.0000199 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0713 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00727%)

## Classification of sample: VC04 @ 14:40 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC04 @ 14:40 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 16.2 | mg/kg | 1.32 | 21.389 | mg/kg | 0.00214 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.06 | mg/kg | 1.142 | 0.0685 | mg/kg | 0.00000685 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 51.6 | mg/kg | 2.27 | 117.132 | mg/kg | 0.0117 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10 | mg/kg | 1.126 | 11.259 | mg/kg | 0.00113 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 17.1 | mg/kg | 1.56 | 26.673 | mg/kg | 0.00171 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 55 | mg/kg | 2.976 | 163.695 | mg/kg | 0.0164 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 75.5 | mg/kg | 2.774 | 209.448 | mg/kg | 0.0209 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 11 | mg/kg | | 11 | mg/kg | 0.0011 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0026 | mg/kg | | 0.0026 | mg/kg | 0.000000263 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0011 | mg/kg | | 0.0011 | mg/kg | 0.00000011 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.000000147 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.015 | mg/kg | | 0.015 | mg/kg | 0.0000015 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0046 | mg/kg | | 0.0046 | mg/kg | 0.000000461 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0298 | mg/kg | | 0.0298 | mg/kg | 0.00000298 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0272 mg/kg | | 0.0272 mg/kg | 0.00000272 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0167 mg/kg | | 0.0167 mg/kg | 0.00000167 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0168 mg/kg | | 0.0168 mg/kg | 0.00000168 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.016 mg/kg | | 0.016 mg/kg | 0.0000016 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.6e-05 mg/kg | | 1.6e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0162 mg/kg | | 0.0162 mg/kg | 0.00000162 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0133 mg/kg | | 0.0133 mg/kg | 0.00000133 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0028 mg/kg | | 0.0028 mg/kg | 0.00000028 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0112 mg/kg | | 0.0112 mg/kg | 0.00000112 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0552 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0011%)

## Classification of sample: VC04 @ 14:40 0.20-0.70

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC04 @ 14:40 0.20-0.70**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 8.4 | mg/kg | 1.32 | 11.091 | mg/kg | 0.00111 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.19 | mg/kg | 1.142 | 0.217 | mg/kg | 0.0000217 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 52.9 | mg/kg | 2.27 | 120.083 | mg/kg | 0.012 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 14.2 | mg/kg | 1.126 | 15.988 | mg/kg | 0.0016 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 33.1 | mg/kg | 1.56 | 51.63 | mg/kg | 0.00331 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.18 | mg/kg | 1.353 | 0.244 | mg/kg | 0.0000244 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 54.4 | mg/kg | 2.976 | 161.909 | mg/kg | 0.0162 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 96.6 | mg/kg | 2.774 | 267.983 | mg/kg | 0.0268 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 52.5 | mg/kg | | 52.5 | mg/kg | 0.00525 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0253 | mg/kg | | 0.0253 | mg/kg | 0.00000253 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0241 | mg/kg | | 0.0241 | mg/kg | 0.00000241 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0222 | mg/kg | | 0.0222 | mg/kg | 0.00000222 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0441 | mg/kg | | 0.0441 | mg/kg | 0.00000441 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.263 | mg/kg | | 0.263 | mg/kg | 0.0000263 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0933 | mg/kg | | 0.0933 | mg/kg | 0.00000933 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.348 | mg/kg | | 0.348 | mg/kg | 0.0000348 % | | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | | | |
| 17 | | pyrene | | | | 0.407 | mg/kg | | 0.407 | mg/kg | 0.0000407 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.211 | mg/kg | | 0.211 | mg/kg | 0.0000211 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 19 | | chrysene | | | | 0.207 | mg/kg | | 0.207 | mg/kg | 0.0000207 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.154 | mg/kg | | 0.154 | mg/kg | 0.0000154 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0001 | mg/kg | | 0.0001 | mg/kg | 0.000000015 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.198 | mg/kg | | 0.198 | mg/kg | 0.0000198 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 23 | | indeno[123-cd]pyrene | | | | 0.136 | mg/kg | | 0.136 | mg/kg | 0.0000136 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0334 | mg/kg | | 0.0334 | mg/kg | 0.00000334 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 25 | | benzo[ghi]perylene | | | | 0.124 | mg/kg | | 0.124 | mg/kg | 0.0000124 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0665 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00525%)

## Classification of sample: VC04 @ 14:40 0.70-1.20

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC04 @ 14:40 0.70-1.20**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 8.2 | mg/kg | 1.32 | 10.827 | mg/kg | 0.00108 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.23 | mg/kg | 1.142 | 0.263 | mg/kg | 0.0000263 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 51 | mg/kg | 2.27 | 115.77 | mg/kg | 0.0116 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 13.9 | mg/kg | 1.126 | 15.65 | mg/kg | 0.00156 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 37.3 | mg/kg | 1.56 | 58.181 | mg/kg | 0.00373 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.18 | mg/kg | 1.353 | 0.244 | mg/kg | 0.0000244 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 52 | mg/kg | 2.976 | 154.766 | mg/kg | 0.0155 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 97.4 | mg/kg | 2.774 | 270.202 | mg/kg | 0.027 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 35.8 | mg/kg | | 35.8 | mg/kg | 0.00358 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0136 | mg/kg | | 0.0136 | mg/kg | 0.00000136 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0035 | mg/kg | | 0.0035 | mg/kg | 0.000000358 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0246 | mg/kg | | 0.0246 | mg/kg | 0.00000246 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0254 | mg/kg | | 0.0254 | mg/kg | 0.00000254 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.136 | mg/kg | | 0.136 | mg/kg | 0.0000136 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0432 | mg/kg | | 0.0432 | mg/kg | 0.00000432 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.176 | mg/kg | | 0.176 | mg/kg | 0.0000176 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.191 mg/kg | | 0.191 mg/kg | 0.0000191 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.097 mg/kg | | 0.097 mg/kg | 0.0000097 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0975 mg/kg | | 0.0975 mg/kg | 0.00000975 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0858 mg/kg | | 0.0858 mg/kg | 0.00000858 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 8.58e-05 mg/kg | | 8.58e-05 mg/kg | 0.000000008 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0957 mg/kg | | 0.0957 mg/kg | 0.00000957 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0722 mg/kg | | 0.0722 mg/kg | 0.00000722 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.02 mg/kg | | 0.02 mg/kg | 0.000002 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0675 mg/kg | | 0.0675 mg/kg | 0.00000675 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0642 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00358%)

## Classification of sample: VC05 @ 16:15 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC05 @ 16:15 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 6 | mg/kg | 1.32 | 7.922 | mg/kg | 0.000792 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.12 | mg/kg | 1.142 | 0.137 | mg/kg | 0.0000137 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 41.9 | mg/kg | 2.27 | 95.113 | mg/kg | 0.00951 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.6 | mg/kg | 1.126 | 10.809 | mg/kg | 0.00108 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 14.8 | mg/kg | 1.56 | 23.085 | mg/kg | 0.00148 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.05 | mg/kg | 1.353 | 0.0677 | mg/kg | 0.00000677 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 44.6 | mg/kg | 2.976 | 132.741 | mg/kg | 0.0133 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 63.5 | mg/kg | 2.774 | 176.158 | mg/kg | 0.0176 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 11.5 | mg/kg | | 11.5 | mg/kg | 0.00115 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0055 | mg/kg | | 0.0055 | mg/kg | 0.000000559 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0018 | mg/kg | | 0.0018 | mg/kg | 0.000000182 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.012 | mg/kg | | 0.012 | mg/kg | 0.0000012 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0121 mg/kg | | 0.0121 mg/kg | 0.00000121 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0064 mg/kg | | 0.0064 mg/kg | 0.000000646 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0071 mg/kg | | 0.0071 mg/kg | 0.000000718 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0074 mg/kg | | 0.0074 mg/kg | 0.000000744 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 7.44e-06 mg/kg | | 7.44e-06 mg/kg | 7.44e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0074 mg/kg | | 0.0074 mg/kg | 0.000000746 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.007 mg/kg | | 0.007 mg/kg | 0.000000705 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0013 mg/kg | | 0.0013 mg/kg | 0.000000137 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0065 mg/kg | | 0.0065 mg/kg | 0.00000065 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0453 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00115%)

## Classification of sample: VC05 @ 16:15 0.25-0.75

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC05 @ 16:15 0.25-0.75**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 31.2 | mg/kg | 1.32 | 41.194 | mg/kg | 0.00412 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.08 | mg/kg | 1.142 | 0.0914 | mg/kg | 0.00000914 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 36.1 | mg/kg | 2.27 | 81.947 | mg/kg | 0.00819 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.4 | mg/kg | 1.126 | 10.583 | mg/kg | 0.00106 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 14.3 | mg/kg | 1.56 | 22.305 | mg/kg | 0.00143 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.04 | mg/kg | 1.353 | 0.0541 | mg/kg | 0.00000541 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 38.3 | mg/kg | 2.976 | 113.991 | mg/kg | 0.0114 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 57.9 | mg/kg | 2.774 | 160.623 | mg/kg | 0.0161 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 13.5 | mg/kg | | 13.5 | mg/kg | 0.00135 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0036 | mg/kg | | 0.0036 | mg/kg | 0.000000363 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0027 | mg/kg | | 0.0027 | mg/kg | 0.000000275 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0034 | mg/kg | | 0.0034 | mg/kg | 0.000000347 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0212 | mg/kg | | 0.0212 | mg/kg | 0.00000212 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0063 | mg/kg | | 0.0063 | mg/kg | 0.00000063 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0291 | mg/kg | | 0.0291 | mg/kg | 0.00000291 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0331 mg/kg | | 0.0331 mg/kg | 0.00000331 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0175 mg/kg | | 0.0175 mg/kg | 0.00000175 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0184 mg/kg | | 0.0184 mg/kg | 0.00000184 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0166 mg/kg | | 0.0166 mg/kg | 0.00000166 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.66e-05 mg/kg | | 1.66e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0183 mg/kg | | 0.0183 mg/kg | 0.00000183 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0149 mg/kg | | 0.0149 mg/kg | 0.00000149 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.003 mg/kg | | 0.003 mg/kg | 0.0000003 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0139 mg/kg | | 0.0139 mg/kg | 0.00000139 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0437 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00135%)

## Classification of sample: VC05 @ 16:15 0.75-1.25

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC05 @ 16:15 0.75-1.25**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 5 | mg/kg | 1.32 | 6.602 | mg/kg | 0.00066 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.1 | mg/kg | 1.142 | 0.114 | mg/kg | 0.0000114 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 38.1 | mg/kg | 2.27 | 86.487 | mg/kg | 0.00865 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.7 | mg/kg | 1.126 | 10.921 | mg/kg | 0.00109 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 13.9 | mg/kg | 1.56 | 21.681 | mg/kg | 0.00139 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.04 | mg/kg | 1.353 | 0.0541 | mg/kg | 0.00000541 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 41.3 | mg/kg | 2.976 | 122.92 | mg/kg | 0.0123 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 72.3 | mg/kg | 2.774 | 200.571 | mg/kg | 0.0201 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 15 | mg/kg | | 15 | mg/kg | 0.0015 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0045 | mg/kg | | 0.0045 | mg/kg | 0.000000459 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0027 | mg/kg | | 0.0027 | mg/kg | 0.000000276 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0018 | mg/kg | | 0.0018 | mg/kg | 0.000000184 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0039 | mg/kg | | 0.0039 | mg/kg | 0.000000399 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0398 | mg/kg | | 0.0398 | mg/kg | 0.00000398 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0103 | mg/kg | | 0.0103 | mg/kg | 0.00000103 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0666 | mg/kg | | 0.0666 | mg/kg | 0.00000666 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0661 mg/kg | | 0.0661 mg/kg | 0.00000661 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0366 mg/kg | | 0.0366 mg/kg | 0.00000366 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.038 mg/kg | | 0.038 mg/kg | 0.0000038 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0306 mg/kg | | 0.0306 mg/kg | 0.00000306 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 3.06e-05 mg/kg | | 3.06e-05 mg/kg | 0.000000003 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0339 mg/kg | | 0.0339 mg/kg | 0.00000339 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0249 mg/kg | | 0.0249 mg/kg | 0.00000249 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0053 mg/kg | | 0.0053 mg/kg | 0.000000538 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.023 mg/kg | | 0.023 mg/kg | 0.0000023 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0457 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0015%)

## Classification of sample: VC06 @ 16:50 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC06 @ 16:50 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 32 | mg/kg | 1.32 | 42.25 | mg/kg | 0.00423 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.1 | mg/kg | 1.142 | 0.114 | mg/kg | 0.0000114 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 45.4 | mg/kg | 2.27 | 103.058 | mg/kg | 0.0103 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.9 | mg/kg | 1.126 | 11.146 | mg/kg | 0.00111 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 13.8 | mg/kg | 1.56 | 21.525 | mg/kg | 0.00138 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.03 | mg/kg | 1.353 | 0.0406 | mg/kg | 0.00000406 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 47.8 | mg/kg | 2.976 | 142.265 | mg/kg | 0.0142 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 66.3 | mg/kg | 2.774 | 183.926 | mg/kg | 0.0184 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 8.33 | mg/kg | | 8.33 | mg/kg | 0.000833 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0011 | mg/kg | | 0.0011 | mg/kg | 0.000000112 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0051 | mg/kg | | 0.0051 | mg/kg | 0.000000517 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.002 | mg/kg | | 0.002 | mg/kg | 0.000000203 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0091 | mg/kg | | 0.0091 | mg/kg | 0.000000913 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0108 mg/kg | | 0.0108 mg/kg | 0.00000108 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0053 mg/kg | | 0.0053 mg/kg | 0.000000534 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0061 mg/kg | | 0.0061 mg/kg | 0.000000618 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0057 mg/kg | | 0.0057 mg/kg | 0.000000577 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 5.77e-06 mg/kg | | 5.77e-06 mg/kg | 5.77e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0068 mg/kg | | 0.0068 mg/kg | 0.000000683 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0064 mg/kg | | 0.0064 mg/kg | 0.000000641 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0012 mg/kg | | 0.0012 mg/kg | 0.000000123 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0066 mg/kg | | 0.0066 mg/kg | 0.000000662 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0508 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00083%)

## Classification of sample: VC06 @ 16:50 0.15-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC06 @ 16:50 0.15-0.50**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 6 | mg/kg | 1.32 | 7.922 | mg/kg | 0.000792 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.12 | mg/kg | 1.142 | 0.137 | mg/kg | 0.0000137 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 45.9 | mg/kg | 2.27 | 104.193 | mg/kg | 0.0104 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.8 | mg/kg | 1.126 | 11.034 | mg/kg | 0.0011 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 16.4 | mg/kg | 1.56 | 25.581 | mg/kg | 0.00164 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 47.8 | mg/kg | 2.976 | 142.265 | mg/kg | 0.0142 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 68.7 | mg/kg | 2.774 | 190.584 | mg/kg | 0.0191 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 19 | mg/kg | | 19 | mg/kg | 0.0019 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0047 | mg/kg | | 0.0047 | mg/kg | 0.000000476 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0012 | mg/kg | | 0.0012 | mg/kg | 0.000000125 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0019 | mg/kg | | 0.0019 | mg/kg | 0.000000199 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0158 | mg/kg | | 0.0158 | mg/kg | 0.00000158 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0056 | mg/kg | | 0.0056 | mg/kg | 0.000000561 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0209 | mg/kg | | 0.0209 | mg/kg | 0.00000209 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0265 mg/kg | | 0.0265 mg/kg | 0.00000265 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0113 mg/kg | | 0.0113 mg/kg | 0.00000113 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0133 mg/kg | | 0.0133 mg/kg | 0.00000133 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0173 mg/kg | | 0.0173 mg/kg | 0.00000173 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.73e-05 mg/kg | | 1.73e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0188 mg/kg | | 0.0188 mg/kg | 0.00000188 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.016 mg/kg | | 0.016 mg/kg | 0.0000016 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0026 mg/kg | | 0.0026 mg/kg | 0.000000265 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0178 mg/kg | | 0.0178 mg/kg | 0.00000178 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0493 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0019%)

## Classification of sample: VC06 @ 16:50 0.50-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC06 @ 16:50 0.50-1.00**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 15 | mg/kg | 1.32 | 19.805 | mg/kg | 0.00198 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.19 | mg/kg | 1.142 | 0.217 | mg/kg | 0.0000217 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 46.6 | mg/kg | 2.27 | 105.782 | mg/kg | 0.0106 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 12.3 | mg/kg | 1.126 | 13.848 | mg/kg | 0.00138 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 28.6 | mg/kg | 1.56 | 44.611 | mg/kg | 0.00286 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.11 | mg/kg | 1.353 | 0.149 | mg/kg | 0.0000149 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 46.6 | mg/kg | 2.976 | 138.694 | mg/kg | 0.0139 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 85.9 | mg/kg | 2.774 | 238.299 | mg/kg | 0.0238 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 20.4 | mg/kg | | 20.4 | mg/kg | 0.00204 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0056 | mg/kg | | 0.0056 | mg/kg | 0.000000568 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.001 | mg/kg | | 0.001 | mg/kg | 0.000000102 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0018 | mg/kg | | 0.0018 | mg/kg | 0.000000186 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0024 | mg/kg | | 0.0024 | mg/kg | 0.000000248 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0311 | mg/kg | | 0.0311 | mg/kg | 0.00000311 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.007 | mg/kg | | 0.007 | mg/kg | 0.000000705 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0551 | mg/kg | | 0.0551 | mg/kg | 0.00000551 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0637 mg/kg | | 0.0637 mg/kg | 0.00000637 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0218 mg/kg | | 0.0218 mg/kg | 0.00000218 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0286 mg/kg | | 0.0286 mg/kg | 0.00000286 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0252 mg/kg | | 0.0252 mg/kg | 0.00000252 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 2.52e-05 mg/kg | | 2.52e-05 mg/kg | 0.000000002 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0249 mg/kg | | 0.0249 mg/kg | 0.00000249 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0204 mg/kg | | 0.0204 mg/kg | 0.00000204 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0037 mg/kg | | 0.0037 mg/kg | 0.000000374 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0225 mg/kg | | 0.0225 mg/kg | 0.00000225 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0566 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00204%)

## Classification of sample: VC07 @ 14:45 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC07 @ 14:45 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 9.5 | mg/kg | 1.32 | 12.543 | mg/kg | 0.00125 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.08 | mg/kg | 1.142 | 0.0914 | mg/kg | 0.00000914 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 35.4 | mg/kg | 2.27 | 80.358 | mg/kg | 0.00804 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.2 | mg/kg | 1.126 | 10.358 | mg/kg | 0.00104 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 13.3 | mg/kg | 1.56 | 20.746 | mg/kg | 0.00133 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.04 | mg/kg | 1.353 | 0.0541 | mg/kg | 0.00000541 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 38.2 | mg/kg | 2.976 | 113.693 | mg/kg | 0.0114 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 57.8 | mg/kg | 2.774 | 160.346 | mg/kg | 0.016 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 9.33 | mg/kg | | 9.33 | mg/kg | 0.000933 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0011 | mg/kg | | 0.0011 | mg/kg | 0.000000112 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0032 | mg/kg | | 0.0032 | mg/kg | 0.000000325 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.001 | mg/kg | | 0.001 | mg/kg | 0.000000104 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0066 | mg/kg | | 0.0066 | mg/kg | 0.00000066 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.007 mg/kg | | 0.007 mg/kg | 0.0000007 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0028 mg/kg | | 0.0028 mg/kg | 0.000000288 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0035 mg/kg | | 0.0035 mg/kg | 0.000000359 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0034 mg/kg | | 0.0034 mg/kg | 0.000000341 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 3.41e-06 mg/kg | | 3.41e-06 mg/kg | 3.41e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0034 mg/kg | | 0.0034 mg/kg | 0.000000345 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0032 mg/kg | | 0.0032 mg/kg | 0.000000325 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | • | benzo[ghi]perylene | | | | 0.0034 mg/kg | | 0.0034 mg/kg | 0.000000348 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0403 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Determinand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00093%)

## Classification of sample: VC07 @ 14.45 0.15-0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC07 @ 14.45 0.15-0.50**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 9.2 | mg/kg | 1.32 | 12.147 | mg/kg | 0.00121 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.1 | mg/kg | 1.142 | 0.114 | mg/kg | 0.0000114 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 33.9 | mg/kg | 2.27 | 76.953 | mg/kg | 0.0077 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.7 | mg/kg | 1.126 | 10.921 | mg/kg | 0.00109 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 17.1 | mg/kg | 1.56 | 26.673 | mg/kg | 0.00171 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 36.3 | mg/kg | 2.976 | 108.038 | mg/kg | 0.0108 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 62.7 | mg/kg | 2.774 | 173.939 | mg/kg | 0.0174 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 48.3 | mg/kg | | 48.3 | mg/kg | 0.00483 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0423 | mg/kg | | 0.0423 | mg/kg | 0.00000423 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0128 | mg/kg | | 0.0128 | mg/kg | 0.00000128 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0144 | mg/kg | | 0.0144 | mg/kg | 0.00000144 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0257 | mg/kg | | 0.0257 | mg/kg | 0.00000257 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.21 | mg/kg | | 0.21 | mg/kg | 0.000021 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0662 | mg/kg | | 0.0662 | mg/kg | 0.00000662 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.342 | mg/kg | | 0.342 | mg/kg | 0.0000342 % | | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | | | |
| 17 | • | pyrene | | | | 0.366 | mg/kg | | 0.366 | mg/kg | 0.0000366 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.241 | mg/kg | | 0.241 | mg/kg | 0.0000241 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 19 | | chrysene | | | | 0.227 | mg/kg | | 0.227 | mg/kg | 0.0000227 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.178 | mg/kg | | 0.178 | mg/kg | 0.0000178 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0001 | mg/kg | | 0.0001 | mg/kg | 0.000000017 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.215 | mg/kg | | 0.215 | mg/kg | 0.0000215 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.135 | mg/kg | | 0.135 | mg/kg | 0.0000135 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0309 | mg/kg | | 0.0309 | mg/kg | 0.00000309 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.134 | mg/kg | | 0.134 | mg/kg | 0.0000134 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.045 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00483%)

## Classification of sample: VC07 @ 14:45 0.50-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC07 @ 14:45 0.50-1.00**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 12.6 | mg/kg | 1.32 | 16.636 | mg/kg | 0.00166 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.22 | mg/kg | 1.142 | 0.251 | mg/kg | 0.0000251 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 45.8 | mg/kg | 2.27 | 103.966 | mg/kg | 0.0104 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 13.4 | mg/kg | 1.126 | 15.087 | mg/kg | 0.00151 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 32.6 | mg/kg | 1.56 | 50.85 | mg/kg | 0.00326 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.13 | mg/kg | 1.353 | 0.176 | mg/kg | 0.0000176 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 47.9 | mg/kg | 2.976 | 142.563 | mg/kg | 0.0143 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 84.3 | mg/kg | 2.774 | 233.861 | mg/kg | 0.0234 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 44.8 | mg/kg | | 44.8 | mg/kg | 0.00448 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0136 | mg/kg | | 0.0136 | mg/kg | 0.00000136 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.003 | mg/kg | | 0.003 | mg/kg | 0.000000301 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0047 | mg/kg | | 0.0047 | mg/kg | 0.000000475 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0092 | mg/kg | | 0.0092 | mg/kg | 0.00000092 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0639 | mg/kg | | 0.0639 | mg/kg | 0.00000639 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0214 | mg/kg | | 0.0214 | mg/kg | 0.00000214 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0894 | mg/kg | | 0.0894 | mg/kg | 0.00000894 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | | pyrene | | | | 0.147 mg/kg | | 0.147 mg/kg | 0.0000147 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0519 mg/kg | | 0.0519 mg/kg | 0.00000519 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0594 mg/kg | | 0.0594 mg/kg | 0.00000594 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0642 mg/kg | | 0.0642 mg/kg | 0.00000642 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 6.42e-05 mg/kg | | 6.42e-05 mg/kg | 0.000000006 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0609 mg/kg | | 0.0609 mg/kg | 0.00000609 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | | indeno[123-cd]pyrene | | | | 0.0463 mg/kg | | 0.0463 mg/kg | 0.00000463 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0076 mg/kg | | 0.0076 mg/kg | 0.00000076 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | | benzo[ghi]perylene | | | | 0.048 mg/kg | | 0.048 mg/kg | 0.0000048 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0591 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00448%)

## Classification of sample: VC08 @ 13:30 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC08 @ 13:30 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 7.7 | mg/kg | 1.32 | 10.167 | mg/kg | 0.00102 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.12 | mg/kg | 1.142 | 0.137 | mg/kg | 0.0000137 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 31.4 | mg/kg | 2.27 | 71.278 | mg/kg | 0.00713 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 7.9 | mg/kg | 1.126 | 8.895 | mg/kg | 0.000889 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 12.4 | mg/kg | 1.56 | 19.342 | mg/kg | 0.00124 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.04 | mg/kg | 1.353 | 0.0541 | mg/kg | 0.00000541 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 33.8 | mg/kg | 2.976 | 100.598 | mg/kg | 0.0101 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 51.5 | mg/kg | 2.774 | 142.869 | mg/kg | 0.0143 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 14 | mg/kg | | 14 | mg/kg | 0.0014 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0041 | mg/kg | | 0.0041 | mg/kg | 0.000000411 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0019 | mg/kg | | 0.0019 | mg/kg | 0.000000199 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.000000142 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0024 | mg/kg | | 0.0024 | mg/kg | 0.000000248 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0134 | mg/kg | | 0.0134 | mg/kg | 0.00000134 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0065 | mg/kg | | 0.0065 | mg/kg | 0.000000655 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.019 | mg/kg | | 0.019 | mg/kg | 0.0000019 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0239 mg/kg | | 0.0239 mg/kg | 0.00000239 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0107 mg/kg | | 0.0107 mg/kg | 0.00000107 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0117 mg/kg | | 0.0117 mg/kg | 0.00000117 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0099 mg/kg | | 0.0099 mg/kg | 0.000000991 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 9.91e-06 mg/kg | | 9.91e-06 mg/kg | 9.91e-10 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0108 mg/kg | | 0.0108 mg/kg | 0.00000108 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0082 mg/kg | | 0.0082 mg/kg | 0.000000823 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0017 mg/kg | | 0.0017 mg/kg | 0.000000178 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0089 mg/kg | | 0.0089 mg/kg | 0.000000895 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0361 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0014%)

## Classification of sample: VC08 @ 13:30 0.15-0.60

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC08 @ 13:30 0.15-0.60**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 4.1 | mg/kg | 1.32 | 5.413 | mg/kg | 0.000541 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.08 | mg/kg | 1.142 | 0.0914 | mg/kg | 0.00000914 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 32.2 | mg/kg | 2.27 | 73.094 | mg/kg | 0.00731 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 9.1 | mg/kg | 1.126 | 10.246 | mg/kg | 0.00102 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 13.8 | mg/kg | 1.56 | 21.525 | mg/kg | 0.00138 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.04 | mg/kg | 1.353 | 0.0541 | mg/kg | 0.00000541 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 34.2 | mg/kg | 2.976 | 101.788 | mg/kg | 0.0102 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 60.2 | mg/kg | 2.774 | 167.004 | mg/kg | 0.0167 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 16.8 | mg/kg | | 16.8 | mg/kg | 0.00168 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0074 | mg/kg | | 0.0074 | mg/kg | 0.000000743 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.001 | mg/kg | | 0.001 | mg/kg | 0.000000108 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0034 | mg/kg | | 0.0034 | mg/kg | 0.000000345 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0038 | mg/kg | | 0.0038 | mg/kg | 0.000000382 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0271 | mg/kg | | 0.0271 | mg/kg | 0.00000271 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0093 | mg/kg | | 0.0093 | mg/kg | 0.000000939 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0425 | mg/kg | | 0.0425 | mg/kg | 0.00000425 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0472 mg/kg | | 0.0472 mg/kg | 0.00000472 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0247 mg/kg | | 0.0247 mg/kg | 0.00000247 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0267 mg/kg | | 0.0267 mg/kg | 0.00000267 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0223 mg/kg | | 0.0223 mg/kg | 0.00000223 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 2.23e-05 mg/kg | | 2.23e-05 mg/kg | 0.000000002 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0263 mg/kg | | 0.0263 mg/kg | 0.00000263 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0193 mg/kg | | 0.0193 mg/kg | 0.00000193 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.004 mg/kg | | 0.004 mg/kg | 0.000000407 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0195 mg/kg | | 0.0195 mg/kg | 0.00000195 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0389 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00168%)

## Classification of sample: VC08 @ 13:30 0.60-1.10

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC08 @ 13:30 0.60-1.10**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 13.1 | mg/kg | 1.32 | 17.296 | mg/kg | 0.00173 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.17 | mg/kg | 1.142 | 0.194 | mg/kg | 0.0000194 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 44.9 | mg/kg | 2.27 | 101.923 | mg/kg | 0.0102 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 13.4 | mg/kg | 1.126 | 15.087 | mg/kg | 0.00151 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 36.5 | mg/kg | 1.56 | 56.933 | mg/kg | 0.00365 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.2 | mg/kg | 1.353 | 0.271 | mg/kg | 0.0000271 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 46 | mg/kg | 2.976 | 136.908 | mg/kg | 0.0137 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 90.5 | mg/kg | 2.774 | 251.06 | mg/kg | 0.0251 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 80.7 | mg/kg | | 80.7 | mg/kg | 0.00807 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0309 | mg/kg | | 0.0309 | mg/kg | 0.00000309 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.009 | mg/kg | | 0.009 | mg/kg | 0.000000904 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0098 | mg/kg | | 0.0098 | mg/kg | 0.00000098 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0174 | mg/kg | | 0.0174 | mg/kg | 0.00000174 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.133 | mg/kg | | 0.133 | mg/kg | 0.0000133 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0475 | mg/kg | | 0.0475 | mg/kg | 0.00000475 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.26 | mg/kg | | 0.26 | mg/kg | 0.000026 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.353 mg/kg | | 0.353 mg/kg | 0.0000353 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.188 mg/kg | | 0.188 mg/kg | 0.0000188 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.198 mg/kg | | 0.198 mg/kg | 0.0000198 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.208 mg/kg | | 0.208 mg/kg | 0.0000208 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0002 mg/kg | | 0.0002 mg/kg | 0.00000002 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.221 mg/kg | | 0.221 mg/kg | 0.0000221 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.172 mg/kg | | 0.172 mg/kg | 0.0000172 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0354 mg/kg | | 0.0354 mg/kg | 0.00000354 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.158 mg/kg | | 0.158 mg/kg | 0.0000158 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0642 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00807%)

## Classification of sample: VC09 @ 12:30 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC09 @ 12:30 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 15.1 | mg/kg | 1.32 | 19.937 | mg/kg | 0.00199 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.1 | mg/kg | 1.142 | 0.114 | mg/kg | 0.0000114 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 43.4 | mg/kg | 2.27 | 98.518 | mg/kg | 0.00985 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.4 | mg/kg | 1.126 | 11.709 | mg/kg | 0.00117 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 16.3 | mg/kg | 1.56 | 25.425 | mg/kg | 0.00163 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 45.1 | mg/kg | 2.976 | 134.23 | mg/kg | 0.0134 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 64.7 | mg/kg | 2.774 | 179.487 | mg/kg | 0.0179 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 16.6 | mg/kg | | 16.6 | mg/kg | 0.00166 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0023 | mg/kg | | 0.0023 | mg/kg | 0.000000235 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.001 | mg/kg | | 0.001 | mg/kg | 0.000000102 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0078 | mg/kg | | 0.0078 | mg/kg | 0.000000783 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0032 | mg/kg | | 0.0032 | mg/kg | 0.000000328 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.018 | mg/kg | | 0.018 | mg/kg | 0.0000018 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0203 mg/kg | | 0.0203 mg/kg | 0.00000203 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0098 mg/kg | | 0.0098 mg/kg | 0.00000098 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0114 mg/kg | | 0.0114 mg/kg | 0.00000114 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0134 mg/kg | | 0.0134 mg/kg | 0.00000134 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.34e-05 mg/kg | | 1.34e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0125 mg/kg | | 0.0125 mg/kg | 0.00000125 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0113 mg/kg | | 0.0113 mg/kg | 0.00000113 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0021 mg/kg | | 0.0021 mg/kg | 0.000000217 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0109 mg/kg | | 0.0109 mg/kg | 0.00000109 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0479 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00166%)

## Classification of sample: VC09 @ 12:30 0.15 -0.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC09 @ 12:30 0.15 -0.50**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 23.2 | mg/kg | 1.32 | 30.632 | mg/kg | 0.00306 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.12 | mg/kg | 1.142 | 0.137 | mg/kg | 0.0000137 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 41.9 | mg/kg | 2.27 | 95.113 | mg/kg | 0.00951 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 13.4 | mg/kg | 1.126 | 15.087 | mg/kg | 0.00151 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 30.9 | mg/kg | 1.56 | 48.198 | mg/kg | 0.00309 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.13 | mg/kg | 1.353 | 0.176 | mg/kg | 0.0000176 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 44.2 | mg/kg | 2.976 | 131.551 | mg/kg | 0.0132 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 79.9 | mg/kg | 2.774 | 221.654 | mg/kg | 0.0222 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 61.8 | mg/kg | | 61.8 | mg/kg | 0.00618 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0294 | mg/kg | | 0.0294 | mg/kg | 0.00000294 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0077 | mg/kg | | 0.0077 | mg/kg | 0.00000077 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.032 | mg/kg | | 0.032 | mg/kg | 0.0000032 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.038 | mg/kg | | 0.038 | mg/kg | 0.0000038 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.404 | mg/kg | | 0.404 | mg/kg | 0.0000404 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.133 | mg/kg | | 0.133 | mg/kg | 0.0000133 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.615 | mg/kg | | 0.615 | mg/kg | 0.0000615 % | | |

| # | | Determinand | | | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | | | |
| 17 | • | pyrene | | | | 0.589 | mg/kg | | 0.589 | mg/kg | 0.0000589 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.338 | mg/kg | | 0.338 | mg/kg | 0.0000338 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | | | |
| 19 | | chrysene | | | | 0.33 | mg/kg | | 0.33 | mg/kg | 0.000033 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.299 | mg/kg | | 0.299 | mg/kg | 0.0000299 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0002 | mg/kg | | 0.0002 | mg/kg | 0.000000029 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.324 | mg/kg | | 0.324 | mg/kg | 0.0000324 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.243 | mg/kg | | 0.243 | mg/kg | 0.0000243 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0506 | mg/kg | | 0.0506 | mg/kg | 0.00000506 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.206 | mg/kg | | 0.206 | mg/kg | 0.0000206 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | | | |
| | | | | | | | | | | Total: | 0.0591 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00618%)

## Classification of sample: VC09 @ 12:30 0.50-1.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC09 @ 12:30 0.50-1.00**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 16.9 | mg/kg | 1.32 | 22.313 | mg/kg | 0.00223 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.24 | mg/kg | 1.142 | 0.274 | mg/kg | 0.0000274 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 53.1 | mg/kg | 2.27 | 120.537 | mg/kg | 0.0121 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 15.5 | mg/kg | 1.126 | 17.451 | mg/kg | 0.00175 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 45.4 | mg/kg | 1.56 | 70.816 | mg/kg | 0.00454 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.39 | mg/kg | 1.353 | 0.528 | mg/kg | 0.0000528 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 54.7 | mg/kg | 2.976 | 162.802 | mg/kg | 0.0163 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 104 | mg/kg | 2.774 | 288.511 | mg/kg | 0.0289 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 144 | mg/kg | | 144 | mg/kg | 0.0144 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.136 | mg/kg | | 0.136 | mg/kg | 0.0000136 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0567 | mg/kg | | 0.0567 | mg/kg | 0.00000567 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0395 | mg/kg | | 0.0395 | mg/kg | 0.00000395 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0783 | mg/kg | | 0.0783 | mg/kg | 0.00000783 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.566 | mg/kg | | 0.566 | mg/kg | 0.0000566 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.161 | mg/kg | | 0.161 | mg/kg | 0.0000161 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.898 | mg/kg | | 0.898 | mg/kg | 0.0000898 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 1.21 mg/kg | | 1.21 mg/kg | 0.000121 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.566 mg/kg | | 0.566 mg/kg | 0.0000566 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.574 mg/kg | | 0.574 mg/kg | 0.0000574 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.691 mg/kg | | 0.691 mg/kg | 0.0000691 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 0.0006 mg/kg | | 0.0006 mg/kg | 0.000000069 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.863 mg/kg | | 0.863 mg/kg | 0.0000863 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.668 mg/kg | | 0.668 mg/kg | 0.0000668 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.125 mg/kg | | 0.125 mg/kg | 0.0000125 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.528 mg/kg | | 0.528 mg/kg | 0.0000528 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0809 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.0144%)

## Classification of sample: VC10 @ 10:15 0.00-0.15

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC10 @ 10:15 0.00-0.15**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 11.8 | mg/kg | 1.32 | 15.58 | mg/kg | 0.00156 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.17 | mg/kg | 1.142 | 0.194 | mg/kg | 0.0000194 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 55.9 | mg/kg | 2.27 | 126.893 | mg/kg | 0.0127 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.8 | mg/kg | 1.126 | 12.16 | mg/kg | 0.00122 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 19 | mg/kg | 1.56 | 29.636 | mg/kg | 0.0019 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.07 | mg/kg | 1.353 | 0.0947 | mg/kg | 0.00000947 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 58.6 | mg/kg | 2.976 | 174.409 | mg/kg | 0.0174 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 80.9 | mg/kg | 2.774 | 224.428 | mg/kg | 0.0224 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 28.6 | mg/kg | | 28.6 | mg/kg | 0.00286 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.005 | mg/kg | | 0.005 | mg/kg | 0.000000501 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0014 | mg/kg | | 0.0014 | mg/kg | 0.000000141 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | <1 | mg/kg | | <1 | mg/kg | <0.0001 % | | **<LOD** |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0016 | mg/kg | | 0.0016 | mg/kg | 0.000000161 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0146 | mg/kg | | 0.0146 | mg/kg | 0.00000146 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0056 | mg/kg | | 0.0056 | mg/kg | 0.00000056 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.0306 | mg/kg | | 0.0306 | mg/kg | 0.00000306 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.0326 mg/kg | | 0.0326 mg/kg | 0.00000326 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0191 mg/kg | | 0.0191 mg/kg | 0.00000191 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0198 mg/kg | | 0.0198 mg/kg | 0.00000198 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0193 mg/kg | | 0.0193 mg/kg | 0.00000193 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 1.93e-05 mg/kg | | 1.93e-05 mg/kg | 0.000000001 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0207 mg/kg | | 0.0207 mg/kg | 0.00000207 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0182 mg/kg | | 0.0182 mg/kg | 0.00000182 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0036 mg/kg | | 0.0036 mg/kg | 0.000000364 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0175 mg/kg | | 0.0175 mg/kg | 0.00000175 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0603 % | | |

Key

| | |
|---|---|
| | User supplied data |
| | Determinand values ignored for classification, see column 'Conc. Not Used' for reason |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| **<LOD** | Below limit of detection |
| **ND** | Not detected |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00286%)

## Classification of sample: VC10 @ 10:15 1.00-1.50

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC10 @ 10:15 1.00-1.50**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 11.8 | mg/kg | 1.32 | 15.58 | mg/kg | 0.00156 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.21 | mg/kg | 1.142 | 0.24 | mg/kg | 0.000024 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 52.2 | mg/kg | 2.27 | 118.494 | mg/kg | 0.0118 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 10.9 | mg/kg | 1.126 | 12.272 | mg/kg | 0.00123 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 20.1 | mg/kg | 1.56 | 31.352 | mg/kg | 0.00201 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.08 | mg/kg | 1.353 | 0.108 | mg/kg | 0.0000108 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 53.5 | mg/kg | 2.976 | 159.23 | mg/kg | 0.0159 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 76.9 | mg/kg | 2.774 | 213.332 | mg/kg | 0.0213 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 35.7 | mg/kg | | 35.7 | mg/kg | 0.00357 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0176 | mg/kg | | 0.0176 | mg/kg | 0.00000176 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.004 | mg/kg | | 0.004 | mg/kg | 0.0000004 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.007 | mg/kg | | 0.007 | mg/kg | 0.000000708 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0119 | mg/kg | | 0.0119 | mg/kg | 0.00000119 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.107 | mg/kg | | 0.107 | mg/kg | 0.0000107 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0322 | mg/kg | | 0.0322 | mg/kg | 0.00000322 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.162 | mg/kg | | 0.162 | mg/kg | 0.0000162 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.158 mg/kg | | 0.158 mg/kg | 0.0000158 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0847 mg/kg | | 0.0847 mg/kg | 0.00000847 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0862 mg/kg | | 0.0862 mg/kg | 0.00000862 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.078 mg/kg | | 0.078 mg/kg | 0.0000078 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 7.8e-05 mg/kg | | 7.8e-05 mg/kg | 0.000000007 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0758 mg/kg | | 0.0758 mg/kg | 0.00000758 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0611 mg/kg | | 0.0611 mg/kg | 0.00000611 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0125 mg/kg | | 0.0125 mg/kg | 0.00000125 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0607 mg/kg | | 0.0607 mg/kg | 0.00000607 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0576 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00357%)

## Classification of sample: VC10 @10:15 1.50-2.00

**Non Hazardous Waste**
Classified as **17 05 04**
in the List of Waste

## Sample details

Sample Name:
**VC10 @10:15 1.50-2.00**

LoW Code:
Chapter: 17: Construction and Demolition Wastes (including excavated soil from contaminated sites)
Entry: 17 05 04 (Soil and stones other than those mentioned in 17 05 03)

## Hazard properties

None identified

## Determinands

Moisture content: 0% No Moisture Correction applied (MC)

| # | | Determinand | CLP index number | EC Number | CAS Number | CLP Note | User entered data | | Conv. Factor | Compound conc. | | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | arsenic { arsenic trioxide } | 033-003-00-0 | 215-481-4 | 1327-53-3 | | 15.4 | mg/kg | 1.32 | 20.333 | mg/kg | 0.00203 % | | |
| 2 | | cadmium { cadmium oxide } | 048-002-00-0 | 215-146-2 | 1306-19-0 | | 0.22 | mg/kg | 1.142 | 0.251 | mg/kg | 0.0000251 % | | |
| 3 | | chromium in chromium(VI) compounds { chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex } | 024-017-00-8 | | | | 51.2 | mg/kg | 2.27 | 116.224 | mg/kg | 0.0116 % | | |
| 4 | | copper { dicopper oxide; copper (I) oxide } | 029-002-00-X | 215-270-7 | 1317-39-1 | | 13 | mg/kg | 1.126 | 14.637 | mg/kg | 0.00146 % | | |
| 5 | | lead { lead chromate } | 082-004-00-2 | 231-846-0 | 7758-97-6 | 1 | 24.8 | mg/kg | 1.56 | 38.683 | mg/kg | 0.00248 % | | |
| 6 | | mercury { mercury dichloride } | 080-010-00-X | 231-299-8 | 7487-94-7 | | 0.11 | mg/kg | 1.353 | 0.149 | mg/kg | 0.0000149 % | | |
| 7 | | nickel { nickel chromate } | 028-035-00-7 | 238-766-5 | 14721-18-7 | | 50.9 | mg/kg | 2.976 | 151.492 | mg/kg | 0.0151 % | | |
| 8 | | zinc { zinc chromate } | 024-007-00-3 | 236-878-9 | 13530-65-9 | | 80.5 | mg/kg | 2.774 | 223.319 | mg/kg | 0.0223 % | | |
| 9 | | TPH (C6 to C40) petroleum group | | | TPH | | 41.6 | mg/kg | | 41.6 | mg/kg | 0.00416 % | | |
| 10 | | naphthalene | 601-052-00-2 | 202-049-5 | 91-20-3 | | 0.0083 | mg/kg | | 0.0083 | mg/kg | 0.000000832 % | | |
| 11 | | acenaphthylene | | 205-917-1 | 208-96-8 | | 0.0039 | mg/kg | | 0.0039 | mg/kg | 0.000000391 % | | |
| 12 | | acenaphthene | | 201-469-6 | 83-32-9 | | 0.0045 | mg/kg | | 0.0045 | mg/kg | 0.000000458 % | | |
| 13 | | fluorene | | 201-695-5 | 86-73-7 | | 0.0066 | mg/kg | | 0.0066 | mg/kg | 0.000000668 % | | |
| 14 | | phenanthrene | | 201-581-5 | 85-01-8 | | 0.0562 | mg/kg | | 0.0562 | mg/kg | 0.00000562 % | | |
| 15 | | anthracene | | 204-371-1 | 120-12-7 | | 0.0183 | mg/kg | | 0.0183 | mg/kg | 0.00000183 % | | |
| 16 | | fluoranthene | | 205-912-4 | 206-44-0 | | 0.112 | mg/kg | | 0.112 | mg/kg | 0.0000112 % | | |

| # | | Determinand | | | CLP Note | User entered data | Conv. Factor | Compound conc. | Classification value | MC Applied | Conc. Not Used |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | CLP index number | EC Number | CAS Number | | | | | | | |
| 17 | • | pyrene | | | | 0.117 mg/kg | | 0.117 mg/kg | 0.0000117 % | | |
| | | | 204-927-3 | 129-00-0 | | | | | | | |
| 18 | | benzo[a]anthracene | | | | 0.0576 mg/kg | | 0.0576 mg/kg | 0.00000576 % | | |
| | | 601-033-00-9 | 200-280-6 | 56-55-3 | | | | | | | |
| 19 | | chrysene | | | | 0.0586 mg/kg | | 0.0586 mg/kg | 0.00000586 % | | |
| | | 601-048-00-0 | 205-923-4 | 218-01-9 | | | | | | | |
| 20 | | benzo[b]fluoranthene | | | | 0.0545 mg/kg | | 0.0545 mg/kg | 0.00000545 % | | |
| | | 601-034-00-4 | 205-911-9 | 205-99-2 | | | | | | | |
| 21 | | benzo[k]fluoranthene | | | | 5.45e-05 mg/kg | | 5.45e-05 mg/kg | 0.000000005 % | | |
| | | 601-036-00-5 | 205-916-6 | 207-08-9 | | | | | | | |
| 22 | | benzo[a]pyrene; benzo[def]chrysene | | | | 0.0592 mg/kg | | 0.0592 mg/kg | 0.00000592 % | | |
| | | 601-032-00-3 | 200-028-5 | 50-32-8 | | | | | | | |
| 23 | • | indeno[123-cd]pyrene | | | | 0.0466 mg/kg | | 0.0466 mg/kg | 0.00000466 % | | |
| | | | 205-893-2 | 193-39-5 | | | | | | | |
| 24 | | dibenz[a,h]anthracene | | | | 0.0087 mg/kg | | 0.0087 mg/kg | 0.000000873 % | | |
| | | 601-041-00-2 | 200-181-8 | 53-70-3 | | | | | | | |
| 25 | • | benzo[ghi]perylene | | | | 0.0406 mg/kg | | 0.0406 mg/kg | 0.00000406 % | | |
| | | | 205-883-8 | 191-24-2 | | | | | | | |
| | | | | | | | | Total: | 0.0593 % | | |

Key

| | |
|---|---|
| | User supplied data |
| • | Determinand defined or amended by HazWasteOnline (see Appendix A) |
| | Speciated Deteminand - Unless the Determinand is Note 1, the Conversion Factor is used to calculate the compound concentration |
| CLP: Note 1 | Only the metal concentration has been used for classification |

## Supplementary Hazardous Property Information

**HP 3(i): Flammable** "flammable liquid waste: liquid waste having a flash point below 60°C or waste gas oil, diesel and light heating oils having a flash point > 55°C and <= 75°C"

Force this Hazardous property to non hazardous because Unlikely to be flammable in soil below this threshold

Hazard Statements hit:

**Flam. Liq. 3; H226** "Flammable liquid and vapour."

Because of determinand:

TPH (C6 to C40) petroleum group: (conc.: 0.00416%)

## Appendix A: Classifier defined and non CLP determinands

- **TPH (C6 to C40) petroleum group** (CAS Number: TPH)

Description/Comments: Hazard statements taken from WM3 1st Edition 2015; Risk phrases: WM2 3rd Edition 2013
Data source: WM3 1st Edition 2015
Data source date: 25 May 2015
Hazard Statements: Flam. Liq. 3 H226 , Asp. Tox. 1 H304 , STOT RE 2 H373 , Muta. 1B H340 , Carc. 1B H350 , Repr. 2 H361d , Aquatic Chronic 2 H411

- **acenaphthylene** (EC Number: 205-917-1, CAS Number: 208-96-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Acute Tox. 4 H302 , Acute Tox. 1 H330 , Acute Tox. 1 H310 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315

- **acenaphthene** (EC Number: 201-469-6, CAS Number: 83-32-9)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Aquatic Chronic 2 H411

- **fluorene** (EC Number: 201-695-5, CAS Number: 86-73-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **phenanthrene** (EC Number: 201-581-5, CAS Number: 85-01-8)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Carc. 2 H351 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410 , Skin Irrit. 2 H315

- **anthracene** (EC Number: 204-371-1, CAS Number: 120-12-7)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 17 Jul 2015
Hazard Statements: Eye Irrit. 2 H319 , STOT SE 3 H335 , Skin Irrit. 2 H315 , Skin Sens. 1 H317 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **fluoranthene** (EC Number: 205-912-4, CAS Number: 206-44-0)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Acute Tox. 4 H302 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **pyrene** (EC Number: 204-927-3, CAS Number: 129-00-0)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 2014
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 21 Aug 2015
Hazard Statements: Skin Irrit. 2 H315 , Eye Irrit. 2 H319 , STOT SE 3 H335 , Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

- **indeno[123-cd]pyrene** (EC Number: 205-893-2, CAS Number: 193-39-5)

Description/Comments: Data from C&L Inventory Database
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 06 Aug 2015
Hazard Statements: Carc. 2 H351

- **benzo[ghi]perylene** (EC Number: 205-883-8, CAS Number: 191-24-2)

Description/Comments: Data from C&L Inventory Database; SDS Sigma Aldrich 28/02/2015
Data source: http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database
Data source date: 23 Jul 2015
Hazard Statements: Aquatic Acute 1 H400 , Aquatic Chronic 1 H410

## Appendix B: Rationale for selection of metal species

**arsenic {arsenic trioxide}**

Reasonable case CLP species based on hazard statements/molecular weight and most common (stable) oxide of arsenic. Industrial sources include: smelting; main precursor to other arsenic compounds (edit as required)

**cadmium {cadmium oxide}**

Reasonable case CLP species based on hazard statements/molecular weight, very low solubility in water. Industrial sources include: electroplating baths, electrodes for storage batteries, catalysts, ceramic glazes, phosphors, pigments and nematocides. (edit as required) Worst case compounds in CLP: cadmium sulphate, chloride, fluoride & iodide not expected as either very soluble and/or compound's industrial usage not related to site history (edit as required)

**chromium in chromium(VI) compounds {chromium (VI) compounds, with the exception of barium chromate and of compounds specified elsewhere in this Annex}**

Worst case species based on hazard statements/molecular weight (edit as required)

**copper {dicopper oxide; copper (I) oxide}**

Reasonable case CLP species based on hazard statements/molecular weight and insolubility in water. Industrial sources include: oxidised copper metal, brake pads, pigments, antifouling paints, fungicide. (edit as required) Worse case copper sulphate is very soluble and likely to have been leached away if ever present and/or not enough soluble sulphate detected. (edit as required)

**lead {lead chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**mercury {mercury dichloride}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**nickel {nickel chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

**zinc {zinc chromate}**

Worst case CLP species based on hazard statements/molecular weight (edit as required)

## Appendix C: Version

HazWasteOnline Classification Engine: WM3 1st Edition v1.1, May 2018
HazWasteOnline Classification Engine Version: 2021.77.4714.9046 (18 Mar 2021)
HazWasteOnline Database: 2021.77.4714.9046 (18 Mar 2021)

This classification utilises the following guidance and legislation:
**WM3 v1.1 - Waste Classification** - 1st Edition v1.1 - May 2018
**CLP Regulation** - Regulation 1272/2008/EC of 16 December 2008
**1st ATP** - Regulation 790/2009/EC of 10 August 2009
**2nd ATP** - Regulation 286/2011/EC of 10 March 2011
**3rd ATP** - Regulation 618/2012/EU of 10 July 2012
**4th ATP** - Regulation 487/2013/EU of 8 May 2013
**Correction to 1st ATP** - Regulation 758/2013/EU of 7 August 2013
**5th ATP** - Regulation 944/2013/EU of 2 October 2013
**6th ATP** - Regulation 605/2014/EU of 5 June 2014
**WFD Annex III replacement** - Regulation 1357/2014/EU of 18 December 2014
**Revised List of Waste 2014** - Decision 2014/955/EU of 18 December 2014
**7th ATP** - Regulation 2015/1221/EU of 24 July 2015
**8th ATP** - Regulation (EU) 2016/918 of 19 May 2016
**9th ATP** - Regulation (EU) 2016/1179 of 19 July 2016
**10th ATP** - Regulation (EU) 2017/776 of 4 May 2017
**HP14 amendment** - Regulation (EU) 2017/997 of 8 June 2017
**13th ATP** - Regulation (EU) 2018/1480 of 4 October 2018
**14th ATP** - Regulation (EU) 2020/217 of 4 October 2019
**15th ATP** - Regulation (EU) 2020/1182 of 19 May 2020
**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2019** - UK: 2019 No. 720 of 27th March 2019
**The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use)(Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1567 of 16th December 2020
**The Waste and Environmental Permitting etc. (Legislative Functions and Amendment etc.) (EU Exit) Regulations 2020** - UK: 2020 No. 1540 of 16th December 2020
**POPs Regulation 2019** - Regulation (EU) 2019/1021 of 20 June 2019

# B FIGURES

Ardrossan Marina
Proposed Dredge Pocket
Legend
VC04
VC8
VC5
VC9
VC10
Hideo Furuta Sculpture Garden
Mariner's View
Stormnight Rd
Montgomerie St
N
200 m
Google Earth